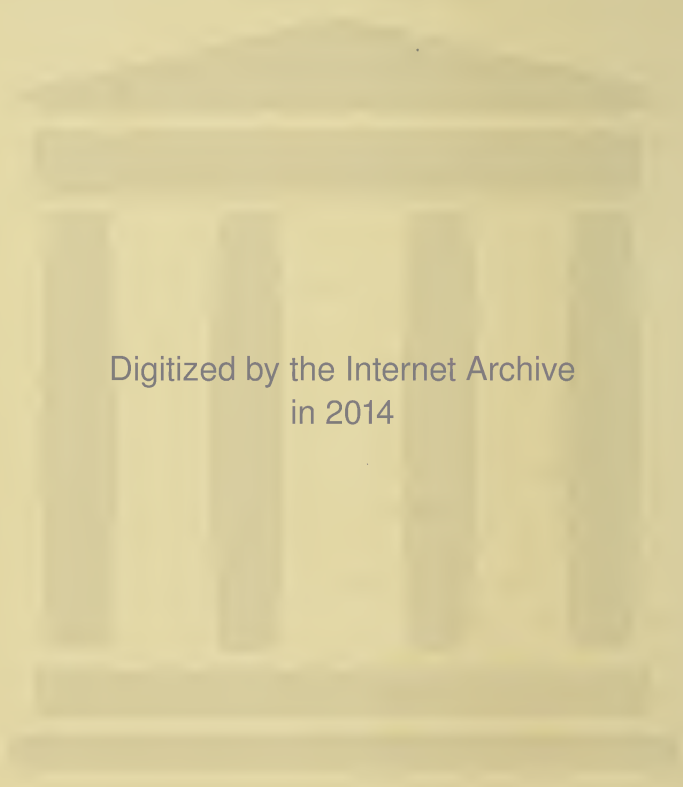


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C I R C U L A R
AND
C A T A L O G U E
OF
U N I O N C O L L E G E ,
S I X T Y - N I N T H Y E A R ,
F I R S T T E R M ,
1863.

CIRCULAR
AND
CATALOGUE
OF
UNION COLLEGE,
SIXTY-NINTH YEAR,
FIRST TERM,
1863.

ALBANY :
J. MUNSELL, 78 STATE STREET.
1863.



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CALENDAR, 1863-4.

FIRST TERM BEGAN.....	Friday,	Sept.	11, 1863.
FIRST TERM ENDS.....	Friday,	Dec.	11, “
SECOND TERM BEGINS.....	Monday,	Jan.	4, 1864.
SECOND TERM ENDS.....	Friday,	April	1, “
THIRD TERM BEGINS.....	Friday,	April	22, “
THIRD TERM ENDS.....	Friday,	July	22, “
CLASS DAY	Monday,	July	25 “
PHI BETA KAPPA DAY.....	Tuesday,	July	26, “
GRADUATES' DAY.....	Wednesday,	July	27, “
COMMENCEMENT,.....	Thursday,	July	28, “

DATES OF SUCCEEDING COMMENCEMENTS.

1865, July 27th.

1866, July, 26th.

1867, July 25th.

1868, July 23d.

1869, July 29th.

1870, July 28th.

INFORMATION.

I. COURSES OF STUDY.

There are three Courses of Study established in the institution ; the Classical, the Scientific, and the " University " or Partial course.

The Classical course is the usual Baccalaureate course of the College, and remains unchanged, and the degrees conferred remain the same as is customary in American Colleges.

In the Scientific course the modern languages are substituted in place of the ancient languages, and the amount of mathematical studies is increased. The degrees conferred remain unchanged ; but the diploma given is in French.

In the Partial or " University " course, students select such studies as they please, and receive a certificate in English indicating their proficiency in those which they have pursued.

There are also special courses of instruction in Civil Engineering and in Analytical Chemistry.

II. REQUIREMENTS FOR ADMISSION.

Candidates for admission must present testimonials of good moral character, and if from another college, a letter of honorable dismissal or of special assent. Sixteen years of age are requisite for admission ; the candidate enters, however, any class for which he is qualified. As good moral deportment, as well as certain acquirements in literature, is necessary to a standing in this institution, candidates for admission will be put on probation, during which they will recite with their class, and enjoy there all the privileges of members in full standing. When sufficient time has elapsed, if their conduct be such as to warrant it, the president will sign a certificate of their admission. If not previously vaccinated, they will be required to become so before their admission.

Candidates for the Freshman Class, in the *Classical* course, must be *thoroughly* prepared in English Grammar; Arithmetic (Davies' "University," or an equivalent); Algebra (through equations of the first degree); Andrews and Stoddard's Latin Grammar; Cæsar's Commentaries, four books; Virgil's *Æneid*, six books, and *Eclogues*; Latin Prosody; four Orations of Cicero; Sallust's *Catiline*, or *Jugurtha*; Arnold's Latin Prose Composition, First Part, 12 chapters; Bullion's Greek Grammar and Greek Reader, or Xenophon's *Anabasis*, three books; Homer's *Iliad*, one book. The whole, or a full equivalent, in both quantity and quality, will be strictly required. It is desirable that those intending to pursue the Classical course should enter at the commencement of the Freshman year.*

Candidates for the *Scientific* course will be examined, for admission to the Sophomore year, on English Grammar, Arithmetic (Davies' "University"), Algebra (completed), Geometry, five books, and United States History.

Candidates for any other class will also be examined in all the studies previously pursued by said class, as shown in the following course of studies.

It is very important that candidates should be thoroughly prepared, especially in grammatical and elementary knowledge. Where they have more time than is requisite for such preparation, it is desirable, for obvious reasons, that they should not anticipate subjects in the College course, but apply themselves to other studies.

Students from other colleges can not enter later than the beginning of the third term of the Senior year.

Students not candidates for a degree are examined only sufficiently to test their qualifications to pursue with advantage the course of study which they have in view.

Examinations for admission take place in presence of three officers. The regular times for such examinations are the last two days (Friday and Saturday) of the week preceding Commencement, and the last two days of each vacation (*viz*: Thursday and Friday),

* Teachers preparing students to enter College are requested to notice that the above requirements for admission have recently been increased; Algebra (through equations of the first degree), &c., being now required.

at 10 o'clock, A. M. For the dates of these, see the Calendar, on page 6.

Students are recommended to present themselves at the examination preceding Commencement, so that if they should be slightly deficient in any study, they may have an opportunity of making it up before the beginning of the following term.

III. DEPARTMENTS OF INSTRUCTION.*

1. THE GREEK LANGUAGE AND LITERATURE.

The course of instruction in this department extends regularly through the whole of the Freshman and Sophomore years, together with the first and second terms of the Junior. In the Senior year, some Greek author is read as a voluntary exercise, when time and circumstances permit. Lectures form the greater part of the instruction in the latter part of the course. There is a gradation of aims. The Freshman year is employed almost wholly in thorough grammatical drilling. In the Sophomore year the chief object is correct and elegant translation, in which much attention is paid to what may be called the laws of correct expression, or the transfer of idiom into idiom. A constant demand is, the best English for the best Greek. Thus progress is made in the knowledge of the capacities of our own tongue, whilst the power of the ancient language is shown in a way which can never be exhibited in the un-English verbal renderings that are so commonly permitted. In the Junior year, the same object is pursued, but more attention is given to the philosophy or poetry of the classic author, as a matter of general criticism. In the time devoted to Greek in the Senior year, the latter aim is made predominant.

By steadily pursuing this course, there is found to be a manifest improvement in each succeeding class. The standard of preparation is gradually raised, the valuable educational influence of the classics

* At the last Commencement, the requirements for admission were increased, and the course of study consequently modified and advanced. The statements in the following pages refer to the new arrangement, though not yet entirely in operation. The course for the *present* year is given in a synoptical form on page 24.

is secured for the whole class, whilst great pains are taken, especially in the latter part of the course, to arouse the enthusiasm of that smaller portion, who may be expected to make the ancient languages and literature a special study in after life.

The reading of the Freshman year is confined mainly to Xenophon and Homer. The Sophomore year and part of the Junior, are found, from good experience, to be most profitably occupied with the Greek Dramatic Poetry, whilst in the remainder of the course the Greek Philosophy is made the chief object of attention. One idea is never lost sight of. It is the bearing of the ancient philosophy, poetry, and mythology, upon Revelation and the Christian theology. Especially in the Junior and Senior years, is this made a prominent thought, presented not only in lectures, but in constantly calling attention to everything by which it may be legitimately suggested.

The course of reading is frequently varied from that which is presented in the Catalogue, although the same general amount is required and the same general plan is pursued. As the instruction is in a high degree oral, bare text-books are preferred to editions with notes, although no objection is made to such helps when they can be obtained.

During the senior year courses of lectures are delivered by Prof. Lewis on Ancient Philosophy, Ancient Poetry and Literature in general, and on Biblical Literature and Classical Criticism.

2. THE LATIN LANGUAGE AND LITERATURE.

The course of instruction in this department, extending through the Freshman and Sophomore years and the first and second terms of the Junior year, embraces the reading of select portions of the Latin classics, and such collateral exercises as are requisite to the successful study of the Latin language.

During the Freshman year, special regard is paid to the translation of English into Latin. The Latin Grammar is carefully reviewed, the regular recitations in it being continued in connection with the reading lessons, until the student is made familiar with its laws and with their applications.

In the Sophomore year is commenced a more critical examination of the distinguishing features of the Latin language, its idioms, and

its relationships to other languages, as it appears in its structure and history, as well as in the forms, composition, and more remote etymology of its words. Particular attention is also given to the peculiarities of style, as exhibited in different Latin authors, and to rhetorical excellence in translation; that the student, while he is studying another language, may acquire a ready and elegant use of his own.

In the Junior year, the course of instruction is varied by appropriating more time to the investigation of the literature of the language; and in this the student is aided by lectures.

The instruction in this department, through the entire course, aims not only to impart to the student a thorough and accurate knowledge of the Latin language and its literature, and thus to conduct him to a more liberal and philosophical understanding of language and literature in general, but also to render him efficient aid in the discipline and education of his mind in the art of thinking, and in the best modes of expressing thought.

3. MODERN LANGUAGES.

The course of instruction in the modern languages includes thorough grammatical drilling; oral and written exercises in translation from the foreign tongues into the English, and from the latter into the former; daily conversation; and lectures on the foreign literatures.

The course is thus divided :

THE FRENCH LANGUAGE is made a regular daily study of the Scientific course during two successive terms, beginning with the First Term Sophomore. The text books used are Peissner's "Elements of the Romance Languages, French, Italian, Spanish;" and Louis Pujol's "*Complete French Class Book.*" A voluntary class (advanced) is formed in the following term, in which *Corneille*, *Racine*, *Molière*, or other classics, are read.

THE GERMAN LANGUAGE is taught as a regular daily study of the Scientific course during three successive terms, beginning with the First Term Junior. The text books used are Peissner's "Grammar, Exercises and Reading Lessons;" Dr. Heyse's *Leitfaden der deutschen Sprache*, and Peissner's "Course of German Literature."

THE SPANISH LANGUAGE is a voluntary study in the Second Term Senior. The text books used are Peissner's "Romance Languages," and Salva's *Grammatica Castellana*. An advanced class may pursue this study another term, Velasquez's Reader being the text book.

THE ITALIAN LANGUAGE is taught as a voluntary study in the Third Term Sophomore. The text books are Peissner's "Romance Languages," and Rio's *Lingua Italiana*. An advanced class may pursue the study of Italian another term; Foresti's Reader, or some Italian classic, being the text book.

The hours for the recitations in the modern languages are so arranged that they may be taken by regular classical students.

4. ORIENTAL LANGUAGES.

A class in Hebrew is formed every year by Prof. Lewis.

Instruction in Syriac, Arabic and the cognate tongues, is also given by him to any desiring it.

5. MATHEMATICS AND ASTRONOMY.

The Studies of this department are arranged as follows :

FRESHMAN YEAR.

First Term.—Algebra, to "Series."—(Bourdon.)

Second Term.—Algebra, (completed).—(Bourdon.) •

Third Term.—Geometry—Plane; five books.—(Legendre.)

SOPHOMORE YEAR.

First Term.—Geometry—Solid; four books.—(Legendre.)

Second Term.—Conic Sections.—(Jackson.)

Third Term.—Trigonometry—Plane and Spherical.—(Jackson.)

JUNIOR YEAR.

First Term.—Analytical Geometry.—(Davies.)

Descriptive Geometry.—(Heather's Monge.)

Second Term.—Differential and Integral Calculus.—(Davies.)

Third Term.—Analytical Mechanics.—(Boucharlat.)

SENIOR YEAR.

Second Term.—Astronomy.—(Gummere.)

6. CIVIL ENGINEERING.

This department was founded in 1845. Its object is to give its students such instruction in the theory and practice of Civil Engineering, as to qualify them for immediate usefulness in the field and office in a subordinate capacity, and at the same time to fit them to fill satisfactorily the higher positions in the profession after a moderate amount of experience in the routine of practice. The course of instruction aims to effect this by constant exercise in mechanical draughting, instrumental field work and numerical calculation, combined with the study of text books, and lectures on the numerous subjects where books are wanting. Its facilities have recently been greatly increased by the acquisition of numerous models and instruments from the best European sources.*

The Civil Engineering course can be taken by persons wishing to pursue it specially, by their entering as "University students," taking such collateral regular College studies as may be desirable. It is completed in two years, beginning with the Summer term, or College "Third Term," about May 1st, and ending the last week in March, in time for its students to join parties then beginning the field work of the season. The fees are, for the present, the same as those of the ordinary College course.

For commencing the Civil Engineering course (about May 1st), the requirements are Arithmetic, Algebra, Geometry (plane and solid), and the execution and demonstration of the first seventy problems of Mahan's "Industrial Drawing." These last are taught with additions, in the preceding term, to those then present, both "Re-

* Among them are these: a complete set (fifty) of the beautiful *Olivier* models of Descriptive Geometry, showing the generations, transformations and intersections of "Rule-surfaces;" the best stone-cutting models, (twenty) of *L'Ecole Polytechnique*; the Topographical models of M. Bardin; his "Skew-arch" models; Mr. Doyne's dynamometer bridge-strain model; the levels of Egault, Troughton, &c.

gular Scientific students" and prospective "Engineering students." Readiness in the common operations of Arithmetic (particularly mental calculation, cancellation and decimals), and perfect familiarity with the elements of Algebra and Geometry, are indispensable preliminaries for commencing the course with advantage. Previous practice in writing rapidly from dictation, and in making abstracts of lectures is very desirable. Any portions of the course may be taken separately by those qualified to pursue them profitably.

The subjects of the course are arranged in the order given below, so as to harmonize them with the Terms of College, and the seasons of the year suitable to field work or otherwise. The course is also so arranged and subdivided, that the more popular topics and the more specially technical ones come at different times; so that those students who desire merely a general knowledge of Civil Engineering as a part of a liberal education, and those who wish to study it professionally, can each be suitably accommodated. The instruction is also given at different hours from those of the regular recitations, so as to prevent any interference, and to enable its special students to pursue collaterally such of the regular studies as they are found to require.

FIRST YEAR.

Summer Term.—Land Surveying; (Gillespie, Parts 1, 2, 3,) with field work, plats and calculations.

Draughting, by Plans, Elevations and Sections,
or Perpendicular Projection—(Mahan.)

Trigonometry; Plane and Spherical—(Jackson.)

Fall Term.—Land Surveying continued (Parts 4 to 12); and Leveling—(Gillespie.)

Descriptive Geometry—(Heather's Monge.)

Analytical Geometry—(Davies.)

Winter Term.—Draughting, continued.

Mensuration of Engineering Structures, &c.

Differential and Integral Calculus—(Davies.)

Geology.

SECOND YEAR.

Summer Term.—Higher Surveying.—(Gillespie.)
 Statics and Dynamics—(Jackson.)
 Engineering Statics ; The Strength of Materials.
 Draughting, continued.
 Analytical Mechanics—(Boucharlat.)

Fall Term.—Road Engineering ; with field practice, calculation of
 Earth work, &c.—(Gillespie.)
 Engineering Statics ; The Stability of Structures.
 Hydraulics, Pneumatics, Heat, &c.—(Jackson.)
 Stereotomy ; Applications of Descriptive Geometry to
 Stone Cutting, &c.

Winter Term.—General Construction ; Materials, Foundations, Ma-
 sonry, Carpentry, &c.—(Mahan.)
 Bridge Engineering ; Plans and Calculations of the
 Forms and Dimensions of Bridges of Wood, Iron
 and Stone.
 Water Engineering ; Canals, Water Supply, Drain-
 age, River and Sea Coast Improvements, &c.
 Geodesy ; and Practical Astronomy.

The recent extension of this course demands so much time and study from those who take it, that students of the complete College "Scientific course" *can not* pursue both at the same time. They can, however, with extra labor, combine the two by making them "overlap," distributing the extra studies of the first four terms of the above course over the last seven terms of the regular course, and then completing the C. E. course in two terms after graduating. Their "extra" studies would then be taken in this order : *Sophomore, 3d term*, Draughting ; *Junior, 2d term*, The Calculus and Draughting ; *Junior 3d term*, Analytical Mechanics and Draughting ; *Senior, 1st term*, Surveying (continued) and Levelling ; *Senior, 2d term*, Engineering Mensuration ; *Senior, 3d term*, Higher Surveying and Engineering Statics ; and in the two terms after graduating, the subjects noted in the last two terms above.

Students of only the special Engineering course are earnestly advised, if their bodily and mental strength will permit, to combine with it the modern languages and the physical science of the Regular course, including more or less Chemical practice in the Analytical Laboratory. But if their time will allow, their best plan is to enter as "Regular Scientific Students," and to pursue the complete course indicated in the preceding paragraph.

At the beginning of the last term of the course, students who are candidates for a diploma are required to undergo a written examination on the leading points of all their preceding studies. Those who pass it satisfactorily, and complete similarly the remainder of the course, receive a diploma of "Graduate in Civil Engineering," and it is intended that this diploma shall be a guarantee of more than average ability and industry. The others receive certificates proportioned to what they have done, both as to quantity and quality.

Graduates in this course, who may choose to continue their studies another term, will receive directions and supervision from the Professor without fee, and can employ their time with great profit in the continuation and development of various useful subjects of investigation.

ARCHITECTURAL STUDENTS will find a large part of this course (particularly the Draughting, Mensuration, Stereotomy, Strength and Stability, &c.), adapted to their requirements. A special course of lectures on Architecture, considered historically and æsthetically, is given during the summer term. Students may enter at any point of the course for which they are qualified.

MILITARY ENGINEERING, embracing Reconnaissance, Military Bridges, Fortification, &c., is taught in connection with the course of Civil Engineering.

7. NATURAL PHILOSOPHY.

The instruction in this department extends through three terms, commencing with the third term of the Junior year. Students, both of the Classical and Scientific course, and those in the Engineering department, recite in two divisions, one hour being given to each, five days in the week, and the subjects succeeding each other in the following order :

JUNIOR YEAR.

Third Term.—Statics and Dynamics.—(Jackson.)

SENIOR YEAR.

First Term.—Hydrostatics, Hydrodynamics, Pneumatics, Heat, Steam.—(Jackson.)

Optics.—(Jackson.)

Second Term.—Sound, Electricity, Magnetism, Galvanism, Electro-Magnetism.—(Foster.)

To secure at once precision and fullness, the instruction is mainly given from recently prepared text books. Frequent lectures are however delivered, either to furnish illustrations and proof of principles by experiment, or to amplify particular subjects. Thus, after the completion of Statics and Dynamics, several lectures are devoted to mechanical "Work," in order that not only the construction and theory, but modes of determining the *efficiency* of the various hydraulic and pneumatic machines may be understood. All lectures are required to be written out by the students in full from the notes, and submitted for inspection. Numerous problems are also given on all the subjects, and are mostly so constructed that the calculated results may be verified by experiments before the class. Both to test the accuracy of the knowledge gained, and to ensure its ready command, several written examinations are required in each term, usually near its close.

To learn the application of the Differential and Integral Calculus to Mechanics, the students of the Scientific and Engineering courses recite daily, during the Third Term Senior, select portions of Boucharlat's Mechanics.

In most of the branches included in this department the apparatus is sufficient for very complete experimental illustrations.

8. CHEMISTRY.

In the Undergraduates' department Chemistry is taught by daily lectures and recitations: during the First Junior term on inorganic Chemistry; the Second Junior term on organic, and the Third Senior term on agricultural Chemistry.

Undergraduates are also permitted to attend the daily two-hour-course of experimental Chemistry at the laboratory; for which there is an extra charge of \$12 per term for instruction and use of laboratory.

The *NOTT Laboratory* is open for special students, in all branches of Chemistry; particularly students of Agriculture, Medical students, Pharmaceutists, Manufacturing Chemists, Minerologists, students of Medical Jurisprudence, etc.

Students who desire to devote but a portion of their time to Chemistry, can pursue at the same time other studies in the collegiate courses, either collateral, as Geology, Mineralogy, &c., or any others. No previous knowledge of the science is required, though highly desirable.

The plan of study depends upon the object of the student, his previous knowledge, and the time at his disposal. It is designed, however, to give a complete professional education in Chemistry to such as may desire it.

A complete course, lasting two years, is arranged thus:

First Term.—Qualitative Analysis; comprising general testing, detection of poisons, and Blowpipe Analysis.

Second Term.—Chemical Preparations.

Third Term.—Quantitative Analysis.

Fourth Term.—Quantitative Analysis (continued), Volumetric Analysis and Assaying of Ores.

Fifth Term.—Organic Chemistry.

Sixth Term.—Agricultural and Medical Chemistry.

The Laboratory will be open to its special students every day in the week except Saturday, from 9 A. M. to 5 P. M.

Charge for full course, \$35 per term; for half-day course, \$25 per term.

Students can not enter the Laboratory for less than one term.

Students are not required to purchase the apparatus which they use, but are charged for what they consume and injure. They also pay for the chemicals which they consume. The above extras amount to from \$2 to \$10 per term.

For fuller information address Prof. C. F. CHANDLER.

9. NATURAL HISTORY.

MINERALOGY is taught during the Winter Term by a daily course of practical lessons, illustrated by a complete set of crystal models, and a series of six hundred specimens for determination by crystallographic and blowpipe examination.

GEOLOGY is taught during the Third Junior (Summer) Term by a daily course of lectures and recitations.

The facilities for instruction in these departments have recently been largely increased by the addition to the College Cabinet of the WHEATLEY *Collection of Minerals and Shells*, purchased by E. C. DELAVAN, Esq., for ten thousand dollars, and by him presented to the College. About three thousand of its specimens have been systematically arranged and labelled for the purpose of instruction, and form a collection which stands among the first in the country in value and interest. In addition, a suite of the ores of the useful metals, comprising about a thousand specimens, have been arranged to illustrate their mode of occurrence and geographical distribution. The College is also in possession of a series of specimens, representing the rocks of the State of New York, and some of the most important fossils. The Cabinet of recent Shells, which forms a part of the Wheatley collection, comprises about five thousand species; among which the land and fresh water genera are peculiarly well represented.

BOTANY is taught during the Summer Term, both from text book (Gray's) and practically in the field.

10. LOGIC, RHETORIC, AND ENGLISH LITERATURE.

The instruction in Logic and Rhetoric includes the use of text books—lectures—and practical exercises in vocal culture, declamation, and the various forms of composition. In the study of English Literature, it is the aim to secure an acquaintance with the historical development of the language, and the course of English thought as expressed at different periods, in the works of representative men.

The Freshmen have exercises once a week in vocal culture, declamation, and the elementary forms of composition.

During the first term of the Sophomore year, three exercises a week are devoted to the study of a text book on Rhetoric; and in the second term two exercises a week to the critical study of some standard English author, as Milton or Shakspeare. At each recitation two or more essays are read; and the declamation of select pieces, once a week, is continued through the year.

In the first term of the Junior year, two hours a week are given to the study of the English language; and three in the second term, to the study of logic and the critical examination of models of eloquence. The third term of the Senior year is devoted to lectures on English Literature. The rhetorical exercises of the Junior and Senior classes consist of essays, discussions, and original declamations, from six or more members of each class once a week.

Public rhetorical exercises are held in the chapel every Saturday morning in which the three older classes take part, the Seniors and Juniors by the delivery of original pieces.

The text books and books of reference are as follows :

In RHETORIC :—Coppée's Rhetoric ; Blair's Lectures ; Theremin on Eloquence ; Goodrich's British Eloquence.

In ENGLISH LITERATURE :—Clark's English Language ; Marsh's Lectures on the English Language and Literature ; Reed's Lectures on English Literature ; Craik's English Literature ; Trench's various works.

11. POLITICAL ECONOMY.

A course of *Lectures* on this subject will be delivered during the Third Term of the Senior year.

12. MENTAL AND MORAL SCIENCE.

The order of instruction pursued in these studies is given in the text books used ; but a wide margin is filled in by Lectures and oral comments, explanations and illustrations. The end sought to be secured is a systematic and not merely elementary or fragmentary apprehension of the subject in hand, each part having its relation to a whole, and its connection and place in the whole being necessary to be apprehended in order to any adequate knowledge of the fact itself. The student is not only examined from the text book, but

leading questions are put as the lesson proceeds, designed to bring out his own powers, and to awaken individual thought and independent reflection. The class are all required to write on themes furnished in the order of the course, and given out by the teacher to separate divisions successively. It is made the design of this composition to secure correct and clear thought, expressed distinctly and definitely, and to keep the attention precisely to the point while giving completeness to the whole discussion, with less regard in this exercise to rhetorical embellishment. Other authors are referred to as desirable for the student to read as opportunity may be afforded, and his attention is directed to such as treat on the same or collateral topics. Different views and theories are noticed and examined as the course proceeds, and the whole ground of investigation on the topic in hand, is laid open before the class as completely as may be. The constant aim is to cultivate the habit of manly and independent though careful and patient reflection.

MENTAL PHILOSOPHY (Hickok's) is taught in the First Term of the Senior year; MORAL PHILOSOPHY (Hickok's) is taught in the Senior Second Term; and the HISTORY OF PHILOSOPHY (Schwegler's) in the Third Term.

A synoptical view of the preceding departments of instruction will be found on the four following pages :

COURSE OF STUDIES*

FOR 1863-4.

CLASSICAL COURSE.

FRESHMAN CLASS.

FIRST TERM.

Livy—Three Books,.....*Lincoln*.
 Xenophon's Anabasis—Two Books,.....*Owen*.
 Algebra (to square root),.....*Bourdon*.

SECOND TERM.

Horace—Three Books of Odes, Prosody,.....*Lincoln*.
 Xenophon—Memorabilia.
 Algebra (to *n*th root),.....*Bourdon*.

THIRD TERM.

Cicero de Officiis—Two Books,.....*Thatcher*.
 Homer—Iliad—Four Books,.....*Owen*.
 Geometry—Plane—Five Books,.....*Legendre*.
Throughout Freshman year, Exer's in Latin and Greek Composition,....Arnold.

SOPHOMORE CLASS.

FIRST TERM.

Tacitus—History—Two Books; or, Germania and Agricola.
 Homer—Odyssey—Six Books,.....*Owen*.
 Geometry—Solid—Four Books,.....*Legendre*.
 Rhetoric,*Coppée*.

SECOND TERM.

Juvenal (1st, 3d and 10th) and Terence (one.)
 Euripides—One or Two Dramas.
 Algebra (completed),.....*Bourdon*.
 Criticism—Milton and Shakspeare.

THIRD TERM.

Horace—Satires and Epistles.
 Sophocles—Two Dramas.
 Trigonometry—Plane and Spherical,.....*Jackson*.
Throughout Sophomore year, Exercises in translating Greek into Latin.

* After the present year, this course will be considerably modified, particularly for the Freshman Class, as indicated in the note on page 9.

COURSE OF STUDIES*

FOR 1863-4.

SCIENTIFIC COURSE.

Candidates for the regular Scientific Course, for admission to the Sophomore year, will be examined on English Grammar, Arithmetic (Davies' "University"), Algebra (completed), Geometry (five books), and United States History.

SOPHOMORE CLASS.

FIRST TERM.

French (Grammar),.....*Peissner, & Pujol.*
 History,*Guizot.*
 Geometry—Solid—Four Books,.....*Legendre.*
 Rhetoric,*Coppée.*

SECOND TERM.

French (Reader),.....*Pujol.*
 Geometrical Draughting,.....*Mahan.*
 Algebra (completed),.....*Bourdon.*
 Criticism—Milton and Shakspeare.

THIRD TERM.

Trigonometry—Plane and Spherical,.....*Jackson.*
 Land Surveying (Parts 1, 2, 3),.....*Gillespie.*
 Draughting—(Voluntary),*Mahan.*
 French—*Moliere* or *Racine.* Italian—(Voluntary),.....*Peissner & Rio.*
 Botany—(Voluntary),*Gray.*

* After the present year, this course will be considerably modified, as indicated in the note on page 9.

CLASSICAL COURSE.

JUNIOR CLASS.

FIRST TERM.

Cicero—Tusculan Questions—Three Books.

Æschylus—Two Dramas.

Conic Sections, *Jackson's*; or, Analytical Geometry,.....*Davies*.

English Language,.....*Clark*.

Chemistry (Inorganic),.....*Fownes*.

SECOND TERM.

Quintilian.

Plato—Phædon or Gorgias.

Rhetoric,.....*Whately*.

Geology,.....*Dana*.

THIRD TERM.

Statics and Dynamics,.....*Jackson*.

Chemistry (Organic),*Fownes*.

Physiology.

SENIOR CLASS.

FIRST TERM.

Plato contra Atheos—(Voluntary),.....*Lewis*.

Hydrostatics, Hydronamics, Pneumatics, Heat, Steam,.....*Jackson*.

Optics,*Jackson*.

Mental Philosophy,.....*Hickok*.

Lectures on History of Philosophy.

SECOND TERM.

Aristophanes—Birds or Clouds,.....*Felton*.

Sound, Electricity, Magnetism, Galvanism, Electro-Magnetism,*Foster*.

Astronomy,*Gummere*.

Moral Philosophy,.....*Hickok*.

Lectures on Ancient Poetry, &c.

THIRD TERM.

History of Philosophy,.....*Schwegler*.

English Literature—Lectures.

Lectures on Biblical Literature, Agricultural Chemistry, Architecture, &c.

Rhetorical Exercises by Seniors, Juniors and Sophomores, before the whole College, in Chapel, on Saturdays at 8 A. M.

SCIENTIFIC COURSE.

JUNIOR CLASS.

FIRST TERM.

German (Grammar),.....	<i>Peissner.</i>
Analytical Geometry,.....	<i>Davies.</i>
Descriptive Geometry,	<i>Heather's Monge.</i>
English Language,.....	<i>Clark.</i>
Chemistry (Inorganic),.....	<i>Fownes.</i>

SECOND TERM.

German (Reader),.....	<i>Peissner & Heyse.</i>
Logic,	<i>Whately.</i>
Geology,.....	<i>Dana.</i>
Differential and Integral Calculus (Voluntary),.....	<i>Davies.</i>
Draughting (continued)—Voluntary— <i>Lectures.</i>	

THIRD TERM.

German (Literature),.....	<i>Peissner.</i>
Statics and Dynamics,.....	<i>Jackson.</i>
Chemistry (Organic),.....	<i>Fownes.</i>
Analytical Mechanics—(Voluntary),	<i>Boucharlat.</i>
Draughting (continued)—(Voluntary)— <i>Lectures.</i>	
Physiology.	

SENIOR CLASS.

FIRST TERM.

Hydrostatics, Hydrodynamics, Pneumatics, Heat, Steam,.....	<i>Jackson.</i>
Optics,	<i>Jackson.</i>
Mental Philosophy,.....	<i>Hickok.</i>
Surveying (continued) and Levelling (Voluntary),.....	<i>Gillespie.</i>

SECOND TERM.

Sound, Electricity, Magnetism, Galvanism, Electro-Magnetism,.....	<i>Foster.</i>
Astronomy,	<i>Gummere.</i>
Moral Philosophy,.....	<i>Hickok.</i>
Mineralogy (Determinative),.....	<i>Dana.</i>
Spanish (Voluntary),.....	<i>Peissner & Salva.</i>
Engineering-Mensuration, etc.—(Voluntary)— <i>Lectures.</i>	

THIRD TERM.

History of Philosophy,.....	<i>Schwegler.</i>
<i>Lectures on Agricultural Chemistry, Architecture, &c.</i>	
English Literature— <i>Lectures.</i>	
Higher Surveying and Engineering Statics—(Voluntary),.....	<i>Gillespie.</i>

 A complete list of the studies of the Civil Engineering Course (which continues two terms longer) is given on page 14.

Rhetorical Exercises by Seniors, Juniors, and Sophomores, before the whole College, in Chapel, on Saturdays, at 8 A. M.

IV. MISCELLANEOUS INFORMATION.

1. **TERMS AND VACATIONS.**—There are three Terms, each of thirteen weeks, and three Vacations. The First Term begins seven weeks after Commencement, which is on the Thursday following the fourth Wednesday of July and varies in date from the 23d to the 29th. It is followed by a Vacation of three weeks, embracing the Christmas holidays. The Second Term is followed by the Spring Vacation of three weeks. The Third Term ends with Commencement.

2. **PAYMENTS AND EXPENSES.**—The College bills must be paid at the beginning of each term. In all cases where such payment is not made, the proper officer is instructed to inform parents and guardians. Students, unless from another College, pay for entrance into the Freshman class, \$5; into the Sophomore class, \$7; into the Junior class, \$9; into the Senior class, \$12. No retrospective expense is incurred by entering in advance.

The College bills for Tuition, Room rent, &c., are \$20 per term. When the College rooms are filled, \$3 per term is deducted from the bills of the students who are thereby obliged to room elsewhere; otherwise no deduction is made. Board can be had at from \$2.50 to \$3.50 per week. Fuel and lights about \$10 per year. Washing, \$3 per term. Furniture can be bought and re-sold on leaving, or hired of the College servants.

Young men in straitened circumstances and of good character, on presenting certificates to that effect, are assisted more or less by the Trustees of the College, as long as they study and conduct in a satisfactory manner. The whole expense for tuition, board, fuel, lights, etc., of students so assisted, need not, where strict economy is used, exceed \$150 per annum.

3. **RESIDENCE AND DISCIPLINE.**—Students are expected to reside in the main buildings, which are occupied by the President and

Professors and their respective families. No student can reside elsewhere without special permission.

The discipline of the Institution is moral and parental. Disgraceful punishments are not inflicted ; but no young man who indulges in gaming, intemperance, or other vice, who is absent from his room at night, or who habitually neglects his studies, can be allowed to remain.

Parents or guardians are requested either to appoint a special guardian for their sons or wards, or to deposit all funds intended for their use with the Treasurer or Registrar of the College, who act as fiscal guardians without charge.

An account of the delinquencies of every student, and of his daily attendance, conduct and scholarship, is kept by the Registrar. The result, determining his place on the Merit Roll, is reported at the close of each term, or more frequently, to his parent or guardian.

Every student is required to return punctually at the opening of each term and report himself at the Registrar's office ; and, until so reported, will be considered as absent, and so marked on his bill. A similar report, and for the same reason, is required after any temporary absence from sickness or by permission.

Parents will please inform the Registrar, by their sons, what church they wish them to attend.

4. FRESHMAN SCHOLARSHIPS.—*Prize Scholarships* have been founded by President E. NOTT, to be awarded to candidates who shall severally pass such thorough examinations as shall entitle them to the distinction. The incumbents of these scholarships will receive at the end of each collegiate year, a Gold Medal or its value in cash, as they may elect, to wit : at the end of the Freshman year, fifteen dollars ; twenty at the end of the Sophomore year ; twenty-five at the end of the Junior year, and thirty at the end of the Senior year, provided that they shall comply with the rules prescribed by the founder of the scholarships ; among which is the pledge on the part of each, that he will neither use intoxicating liquor as a beverage, nor tobacco in any of its forms, so long as he shall continue to receive the avails of the scholarship which has been awarded to him.

5. THE BLATCHFORD ORATORICAL MEDALS.—Hon. R. M. BLATCHFORD has founded an Oratorical Prize, consisting of two Gold Medals, of the value of the income of \$1,000, to be given to the two members of the graduating class who shall deliver the best orations; “regard being had alike to their elevated and classical character, and to their graceful and effective delivery.” Accordingly, two medals will be awarded, one of the value of \$40 to the best written and spoken oration, and one of the value of \$30 to the second best; to be determined by a committee appointed for that purpose; their award to be announced to the audience at the close of the exercises.

6. THE WARNER PRIZE.—Hon. H. G. WARNER of Rochester, has founded an Annual Prize, consisting of a piece of Silver Plate of the value of \$50, to be awarded to “The Graduate of Union College who shall reach the highest standing in the performance of collegiate duties, and also sustain the best character for moral rectitude and deportment, without regard to religious practice or profession.” The prize is to be awarded on Commencement day by the officers of the College, in accordance with certain conditions prescribed by the donor.

7. COMMENCEMENT SPEAKERS.—Students are reminded that the relative position occupied by the names of the members of the graduating class on their final merit roll, depends entirely on the standing taken by each respectively on his examination when entering the class, and on his subsequent relative diligence, punctuality, gentlemanlike demeanor and moral conduct.

CATALOGUE
OF
STUDENTS.

ABBREVIATIONS.

C Classical Students. *S* Scientific Students. *U* University Students.

x Candidates for Matriculation.

† Candidates Matriculated, subject to conditions.

a Attendance not satisfactory. *c* Conduct not satisfactory.

n Absent during the Term, or from examination—to be hereafter examined.

— Deficient in one study at Examination.

* Dead.

† Left College.

N—North College.

S—South College.

N—Colon—North Colonnade.

S Colon—South Colonnade.

SENIOR CLASS.

NAMES.	RESIDENCES.	ROOMS.
<i>S</i> GEORGE AINSLIE,	Delhi.	15 N.
<i>C</i> JAMES PRESTON ALBRIGHT,	Madison, N. J.	
<i>C</i> JOHN TUTTLE ANDREWS,	Reading.	18 S.
† <i>U</i> JAMES ASHBEL ALLIS,	Syracuse.	
<i>S</i> WALTER CASE ANTHONY,	Glenham.	14 S.
<i>C</i> GEORGE ARTHUR,	Springfield, Ohio.	33 Lafayette st.
<i>S</i> PLINY W. BARTHOLOMEW,	Hermion.	30 S.
† <i>C</i> WILLIAM HENRY BEAL,	Schenectady.	
† <i>C</i> GEORGE T. BRADSHAW,	Mariaville.	
† <i>S</i> JOHN STONE BRADLEY,	Lee, Mass.	
<i>S</i> THOMAS W. BURNHAM,	Cleveland, Ohio.	48 N.
† <i>C</i> RICHARD JAMES BUSH,	San Francisco, Cal.	
<i>C</i> ELIAS FORD CARR,	Troy.	35 N.
<i>n C</i> SAMUEL W. CLASON, JR.,	New Milford.	21 S.
† <i>C</i> JAMES DORR CLYDE,	Cherry Valley.	
† <i>S</i> SIDNEY T. CORNELL,	Jonesville.	
† <i>S</i> HENRY AUGUSTINE CRARY,	Knoxville.	
<i>S</i> DÉSEVIGNÉ S. CRUMB,	Bloomfield, Mo.	30 Lafayette st.
<i>C</i> ELISHA CURTISS,	Sandy Creek.	30 S.
<i>C</i> ALEXANDER DAVIDSON,	Buffalo.	26 N.
<i>U</i> JAMES DAVIS, JR.,	Albany.	13 N.
<i>C</i> SAMUEL E. DIMMICK,	Bloomburgh.	164 Union st.
<i>C</i> WILLIAM FORREST DOIG,	Bovina.	7 N.
* <i>S</i> CHARLES G. A. DRYER,	Hoboken, N. J.	
<i>C</i> FRED. SHEPARD FENN,	Rochester.	182 Union st.
† <i>S</i> ANSON D. FESSENDEN,	Townsend, Mass.	
† <i>C</i> JAMES WATSON FISHER,	Newburgh.	
<i>S</i> BENJAMIN DODS GIFFORD,	Provincetown, Mass.	173 Union st.

NAMES.	RESIDENCES.	ROOMS.
<i>S</i> DWIGHT FLOWER,	Fort Dodge, Iowa.	176 Union st.
† <i>S</i> SAMUEL H. GLEASON,	Barnet, Vt.	
<i>S</i> WALTER NORTH GOURLAY,	Hoboken, N. J.	173 Union st.
† <i>C</i> HENRY GRAHAM,	Wilna.	
† <i>U</i> MARTIN S. HALL,	Tribe's Hill.	
† <i>C</i> JARED HASBROUCK,	Kingston.	
† <i>C</i> ALBERT HEYWOOD,	San Francisco, Cal.	
<i>S</i> JOHN A. HENDERSON,	Andes.	7 N.
<i>C</i> BARTHOLOMEW HIGGINS,	Waterford.	23 S.
† <i>C</i> JACOB M. HOWARD, JR.,	Detroit, Mich.	
<i>C</i> SELAH HOWELL,	Blooming Grove.	28 S.
<i>C</i> ALEXANDER S. HOYT,	West Milton.	6 S.
<i>C</i> EDWARD ALLEN JUDSON,	Lansingburgh.	27 S.
† <i>C</i> ARCHIBALD KELLY,	Johnstown.	
<i>C</i> SAMUEL JACOB KOONTZ,	York Springs, Pa.	26 S.
<i>C</i> PHINEAS STRONG LAMB,	Fort Ann.	39 S.
<i>C</i> BENEDICT S. LEWIS,	Lodi, Wis.	College Hill.
† <i>C</i> CHARLES F. LEWIS,	Schenectady.	
* <i>C</i> JAMES O. LIEBENAU,	Lloyd.	
<i>S</i> CHARLES WALKER LIND,	Porto Rico, W. I.	174 Union st.
<i>C</i> CHARLES BAKER LOOMIS,	Buffalo.	42 N.
<i>C</i> ROBERT F. MACLAREN,	Fall River, Mass.	3 Barret st.
† <i>S</i> ARCHIBALD MCINTYRE,	Albany.	
<i>C</i> EDWARD P. MAGOUN,	Hudson.	27 S.
† <i>C</i> EDWARD J. MAXWELL,	Amsterdam.	
<i>C</i> WILLIAM H. MILLHAM,	Charlton.	79 Liberty st.
† <i>C</i> WILLIAM M. MURRAY,	Delhi.	
† <i>C</i> JOHN NELSON,	Poughkeepsie.	
<i>U</i> FREDERICK M. NEWMAN,	Albany.	45 N.
<i>C</i> CHARLES JOHNSON NOYES,	Haverhill, Mass.	22 N.
<i>C</i> EDWARD WINSLOW PAIGE,	Schenectady.	37 N.
<i>S</i> WM. APPLETON POTTER,	Philadelphia, Pa.	174 Union st.
<i>C</i> ISAIAH ANTHONY POTTS,	Whitehall, Ill.	41 S.
<i>C</i> ABRAM VAN N. POWELSON,	Pluckamin, N. J.	21 S.
† <i>C</i> SAMUEL F. PRENTISS,	Montpelier, Vt.	
† <i>C</i> ROBERT D. RADCLIFFE,	Albany.	39 N.

NAMES.	RESIDENCES.	ROOMS.
<i>C</i> THOMAS ELDER RALSTON,	Indiana, Pa.	10 S.
<i>C</i> WILLIAM HENRY REID,	Johnstown.	151 Union st.
† <i>C</i> JAMES H. ROBINSON,	Fairville.	
<i>C</i> WILLIAM H. SANBORN,	Plattsburgh.	9 N.
<i>S</i> WARREN SCHOONOVER,	Honesdale, Pa.	17 Jay.
<i>S</i> GEORGE SCRAMLING,	Oneonta.	47 S.
<i>C</i> JAMES LAWRENCE SEWARD,	Cincinnati, Ohio.	
† <i>S</i> CHARLES MILTON SHELDON,	Amsterdam.	
<i>C</i> AUGUSTUS SHERMAN,	New Baltimore.	6 S.
† <i>S</i> WILLIAM LEONARD SMITH,	Newburgh.	
<i>U</i> BRANDT GEORGE SMYTH,	Newark, Ohio.	4 S. Colonnade.
† <i>U</i> JOHN MILTON STEARNS, JR.,	Brooklyn.	
† <i>S</i> THEODORE B. STEVENS,	Cleveland, Ohio.	
<i>C</i> GEORGE MIXTER STEWART,	Wells, Mass.	177 Union st.
<i>C</i> JOHN HENRY STEWART,	Changewater, N. J.	164. Union st.
† <i>C</i> WALTER M. STEWART,	Johnstown.	
<i>C</i> CHAS. D. F. STEINFUEHRER,	Schenectady.	22 North st.
<i>C</i> DANIEL M. STIMSON,	Albany.	41 N.
<i>C</i> ALONZO P. A. STRONG,	Schenectady.	9 N.
† <i>C</i> JOHN TAVENNER,	Winchester, Va.	
<i>C</i> CHARLES OTIS THATCHER,	Troy.	119 Union st.
† <i>S</i> CHARLES H. TILLINGHASTE,	New York.	
<i>C</i> CHARLES TUBBS,	Osceola, Pa.	18 S.
† <i>C</i> MORRIS C. TUTHILL,	Blooming Grove.	
<i>C</i> CHAUNCEY E. VAN ALLEN,	West Perth.	3 Barrett st.
<i>C</i> DAVID VAN HORNE,	Glen.	41 S.
* <i>C</i> MARVIN WAIT,	Norwich, Conn.	
<i>nC</i> SAMUEL S. WAKEMAN,	Ballston Spa.	6 N.
<i>C</i> ZAREMBA WALDRON,	Ballston Centre.	
<i>C</i> HENRY WARD,	Guilderland Centre.	6 N.
<i>nC</i> JACOB HERRHEY WIETING,	Middletown, Pa.	25 S.
† <i>U</i> LEANDER WILLIS,	Alden.	
<i>C</i> HENRY CLINTON WISWALL,	Jacksonville, Ill.	24 Jay st.
† <i>S</i> GEO. WASHINGTON WOOD,	Walden.	
<i>C</i> DAVID M. M. ZELLER,	Dayton, Ohio.	31 S.

JUNIOR CLASS.

NAMES.	RESIDENCES.	ROOMS.
<i>C</i> WILLIAM HENRY ALBRO,	Middleburgh.	
<i>C</i> ELMER ALVA ALLEN,	Toledo, Ohio.	116 Union st.
† <i>C</i> CHARLES HENRY BACON,	North Lansing.	
† <i>U</i> GEORGE DANIEL BACON,	“ “	
<i>C</i> HENRY BACON,	Sing Sing.	43 S.
<i>nC</i> EDWIN S. BALDRIDGE,	West Pawlet, Vt.	12 N.
† <i>C</i> CHARLES M. BALLANTINE,	Gloversville.	
<i>U</i> WILBER FISK BARKER,	Bellville.	17 S.
<i>C</i> FRANKLIN W. BARTLETT,	Towanda, Pa.	50 Barrett st.
† <i>C</i> JAMES WOODRUFF BLAKE,	Waterford.	
<i>C</i> CLARK BROOKS,	Jonesville.	42 S.
† <i>C</i> GEO. FREDERICK BROWN,	Schenectady.	
<i>C</i> LEWIS BULLOCK,	Cincinnati, Ohio.	30 Lafayette st.
<i>C</i> WILLIAM A. BUSHNELL,	New York.	8 S.
† <i>C</i> ARTHUR E. CHADSEY,	Schenectady.	
<i>S</i> AUGUSTUS BATES CLARK,	Wilton, Me.	18 N.
<i>C</i> HOWARD CORNELL,	Lima.	9 S.
<i>C</i> NATHAN G. DAGGETT,	Schenectady.	5 Front st.
† <i>C</i> THOMAS DAVIES,	Poughkeepsie.	
<i>C</i> EDMUND T. DAVIS,	Shiloh. N. J.	124 Liberty st.
<i>C</i> ISAAC DOX,	Wilson.	4 S.
<i>C</i> JOSEPH P. DYSART,	Bovina.	16 N.
<i>U</i> ROBERT JONES GREGG,	Peoria, Ill.	31 N.
<i>C</i> JOHN V. GRISWOLD,	Quincy, Ill.	199 State st.
† <i>C</i> VITELLUS M. HARDY,	Wilton, Me.	
<i>C</i> FRANCIS JAMES HOAG,	Charlton.	48 S.
<i>U</i> ROBERT HODGE,	Carrollton, Ill.	
† <i>C</i> JOHN MILTON HUGHES,	Cleveland, Ohio.	

NAMES.	RESIDENCES.	ROOMS.
C MARCUS TULLIUS HUN,	Albany.	5 S.
C GEORGE WILLIAM KNAPP,	Buffalo.	26 N.
†S LUCIUS D. LEFFINGWELL,	Cleveland, Ohio.	
C DEWITT C. LEFEVRE,	Northville.	43 N.
C DANIEL N. LOCKWOOD,	Buffalo.	10 S.
C CHARLES M. LOMBARD,	Elbridge.	179 Union st.
-S EDWARD JOSEPH LOVETT,	Palmyra.	182 Union st.
S WILLIAM BARR LYNN,	Springfield, Ill.	29 S.
S RICHARD S. LYON,	Cleveland, Ohio.	25 S.
†S HENRY BOYD MARTIN,	Albany.	33 N.
C THEODORUS MCLEOD,	New York.	178 Union st.
S GEORGE DUFFIELD MEIGS,	Pottstown, Pa.	8 S.
C JAMES LEEDROM MEREDITH,	Marshalltown, Pa.	26 S.
†U WILLIAM HENRY MICKLE,	Princetown.	
C JAMES RICHARD MONKS,	Elmira.	46 S.
†U JOHN VAN C. NELLIS,	Fort Plain.	
C CHARLES FLAVIUS NOBLE,	Pittsfield, Mass.	15 S.
S DAVID R. PAIGE, JR.,	Painesville, Ohio.	12 N.
C JOHN KEYES PAIGE,	Schenectady.	49 Washington av.
†C ROBERT PAYNE,	Fort Miller.	
U WILLIAM M. PERRINE,	Perrineville, N. J.	47 N.
†C CHARLES HENRY RIPLEY,	Centre Rutland, Vt.	
C DAVID CODWAY ROBINSON,	Elmira.	28 Green st.
C LEWIS HENRY ROCKWELL,	Mariaville.	29 S.
C LEVERETT G. ROMAIN,	Albany.	
C STEALY BATES ROSSETER,	Cohoes.	82 Barrett st.
C EDWIN RUSSELL,	Saratoga Springs.	31 N.
C JOHN RUTHVEN SANSON,	Princetown.	56 Jay st.
C WARREN GROVER SAYRE,	Wabash, Ind.	10 N.
*C ERSKINE D. SCRIBNER,	Middleburgh.	
S LEWIS SHERMAN,	West Rupert, Vt.	70 Barret st.
U GEORGE LUKE SMITH,	Milford, N. H.	
C FREELING H. SMITH,	Chatham.	32 S.
C MORTIMER SMITH,	"	32 S.
C JOHNSON IDE SNELL,	Fort Jackson.	45 S.
S CADY STALEY,	Florida.	66 Jay st.

NAMES.	RESIDENCES.	ROOMS.
†C HENRY STODDARD,	New Haven, Conn.	
U GEORGE H. SUTTON,	Bedford.	46 S.
C JAMES BRAINARD TAYLOR,	Rupert, Vt.	12 N.
*C ABNER B. W. TENNEY,	West Concord, N. H.	
C SMITH THOMPSON,	Poughkeepsie.	47 N.
†C VEDDER VAN DYCK,	Schenectady.	
†C HENRY CLAY VAN ZANDT,	Schenectady.	
C ALBERT HENRY VEEDER,	Fonda.	14 S.
C JAMES B. WAYNE WANDS,	Olean.	
†U NATHAN PERKINS WELLS,	Johnstown.	
C EMERSON GEORGE WICKS,	Charlton.	24 S.
S KENNETT WOODSON,	Carrollton, Ill.	

SOPHOMORE CLASS.

NAMES.	RESIDENCES.	ROOMS.
<i>C</i> GEORGE ALEXANDER,	West Charlton.	19 N.
<i>C</i> JOHN ALEXANDER,	“ “	19 N.
<i>C</i> GEO. HAMILTON ARNOTT,	Salem.	8 N.
<i>C</i> JOHN ELMER ASHE,	West Bloomfield.	23 N.
<i>C</i> MATTHEW BENDER,	Albany.	10 N.
<i>C</i> JOSEPH M. BENEDICT,	Utica.	24 N.
<i>C</i> FRED. BLAKE,	Waterford.	38 S.
<i>C</i> HENRY D. BRANDRETH,	Sing Sing.	43 S.
<i>C</i> EDWIN L. BRENTON,	Wabash, Ind.	29 N.
<i>C</i> OMAR BROWN,	Zanesfield, Ohio.	11 N.
<i>C</i> ROMEYN BUNN,	Amsterdam.	38 S.
<i>C</i> MONROE MARCH CADY,	Great Barrington, Mass.	45 S.
<i>C</i> JOHN EVARTS CLANCY,	Schenectady.	178 Union st.
<i>C</i> JESSE BURNS CLEMENT,	West Hebron.	8 N.
<i>S</i> NORMAN FOX COMSTOCK,	Ballston.	108 Liberty st.
<i>C</i> ALFRED COONS,	Clermont.	7 S.
<i>nC</i> ERASTUS COONS,	“	
† <i>S</i> HENRY CLAY COPELAND,	Middletown, Vt.	14 N.
<i>C</i> GEORGE HENRY CRUMB,	Bloomfield, Mo.	2 S. Colonnade.
<i>C</i> AUGUSTUS E. CURTISS,	Ballston Centre.	123 State st.
<i>C</i> JOHN JAMES DEAN,	Bovina.	15 N.
<i>C</i> OWEN CLINTON DEWITT,	Rushville.	24 S.
<i>U</i> FISKE EASTMAN,	Ellisburgh.	17 S.
<i>U</i> HIRAM BRADFORD FARMER,	Moir.	20 S.
<i>C</i> ROBERT PROUDFIT GIBSON,	South Kortright.	16 N.
<i>S</i> EDWARD E. GIDDINGS,	Pierrepont Manor.	170 Union st.
<i>C</i> JOHN ANDREW GREEN,	Quincy, Ill.	16 S.
<i>C</i> WILLIAM F. HARRISON,	Troy.	12 S.
<i>C</i> ROBERT HATHAWAY,	Cannonsville.	N. Colonnade.
<i>S</i> LYMAN GIDDINGS HOLLEY,	Pierrepont Manor.	170 Union st.

NAMES.	RESIDENCES.	ROOMS.
C GILBERT T. HOLCOMBE,	Newark.	11 S.
C LEONARD G. HUN,	Albany.	5 S.
U HARRY LEA,	Alton, Ill.	11 N.
C HENRY C. LITTLEFIELD,	Albany.	5 N.
C WILLIAM LOUCKS,	New Scotland.	178 Union st.
C JAMES CAMPBELL MILLER,	West Galway.	42 S.
C WILLIAM CHARLES MOORE,	Hanover, Ill.	14 Park Place.
S GEORGE H. MOULTON,	West Union, Iowa.	3 Romeyn st.
U LEVERETT W. NEWCOMBE,	Wilbraham, Mass.	
C JOSEPH KISSICK PEARSON,	New Castle, Pa.	33 N.
C JOHN MAGOUN PEARSON,	Schenectady.	189 Union st.
S FREDERICK MILTON PETIT,	Moir.	20 S.
C GOVE PORTER,	Detroit, Mich.	27 N.
S WILL POSEY,	Henderson, Ky.	132 Centre st.
C DANIEL JAMES QUINN,	Troy.	12 S.
C WILLIAM H. T. REYNOLDS,	Albany.	25 N.
C LA MOTT W. RHODES,	Clayville.	28 N.
U ROBERT WING ROGERS,	Shelburn, Vt.	179 Union st.
C THOMAS ROGERS,	Morrisania.	44 N.
C THOMAS JAMES SANSON,	Duanesburgh.	15 Ferry st.
C GEORGE J. SCHERMERHORN,	Homer.	22 N.
S LYMAN LOUIS SETTLE,	Newark Valley.	32 N.
C DANIEL SEYMOUR,	Mechanicsville.	23 N.
C DANIEL LEWIS SMITH,	"	5. N.
S WILLIAM C. STEVENS,	Poughkeepsie.	183 Union st.
† C DANIEL MERRICK SWAN,	Bellville.	17 S.
C HARVEY D. TALCOTT,	Oswego.	37 N.
S GIDEON DAVID TOWER,	South Hampton, Mass.	32 N.
C GRENVILLE A. TREMAIN,	Albany.	41 N.
C WILLIAM VANDENBURGH,	Glenville.	14 Park Place.
C ARCHIBALD L. VAN NESS,	Dansville.	11 S.
S EDWARD W. VAN VRANKEN,	Schenectady.	6 Lafayette st.
U CHARLES AMOS WELCH,	Waynesville, Ohio.	178 Union st.
C EDWARD WEMPLE,	Fultonville.	43 N.
C STEPHEN S. WETMORE,	Kinderhook.	25 N.
C ALMERON WHEAT, JR.,	Quincy, Ill.	16 S.

FRESHMAN CLASS.

NAMES.	RESIDENCES.	ROOMS.
<i>C</i> JAMES MONROE ANDREWS,	Saratoga Springs.	44 N.
<i>C</i> CHARLES BELKNAP,	New York.	30 N.
‡ <i>C</i> SEYMOUR BIRCH,	Amsterdam.	2 S.
<i>C</i> GEORGE HENRY CATLIN,	Shoreham, Vt.	187 Union st.
<i>C</i> SAMUEL K. DOOLITTLE,	Pond Eddy.	23 S.
<i>C</i> J. D. FEATHERSTONHAUGH, JR.,	Duanesburgh.	39 N.
<i>C</i> DANIEL FINN,	Florida.	186 Union st.
<i>C</i> ROBERT BRONK FISH,	Fultonville.	9 S.
<i>U</i> TAYLER LEWIS, JR.,	Schenectady.	College Hill.
<i>C</i> ORLANDO D. S. MARKLEY,	Seward.	13 S.
<i>C</i> WILLIAM HENRY MURRAY,	Poundridge.	44 S.
‡ <i>C</i> MILTON GODFREY PLANCK,	Sharon Springs.	273 State st.
<i>C</i> WALTER SCOTT,	Sing Sing.	44 S.
<i>C</i> FREDERICK W. SEWARD,	Florida.	186 Union st.
‡ <i>C</i> JEROME L. STERNBERG,	Gardnersville.	13 S.
<i>C</i> JOSEPH VAIL,	Pleasant Valley.	Phil. Hall.

STUDENTS OF CIVIL ENGINEERING.

SECOND YEAR STUDENTS.

NAMES.	RESIDENCES.	ROOMS.
JOHN CHAPMAN BAKER,	Fort Miller.	28 S.
FOSTER MORSS,	Red Falls.	5. S. Colonnade.
OWEN PHILLIPS,	Exeter.	18 N.
LEWIS Y. SCHERMERHORN,	Troy.	164 Union st.
MASSASOIT MASON SKIFF,	Savannah, Ga.	3 S. Colonnade.
NICHOLAS TANCO,	Havana, Cuba.	164 Union st.
SIDNEY TUTTLE,	New York.	31 S.

FIRST YEAR STUDENTS.

NAMES.	RESIDENCES.	ROOMS.
<i>S</i> GEORGE AINSLIE,	Delhi.	15 N.
<i>S</i> DESÉVIGNÉ STARKS CRUMB,	Bloomfield, Mo.	30 Lafayette st.
CHARLES EDMUND DANA,	Philadelphia, Pa.	183 Union st.
<i>S</i> WALTER NORTH GOURLAY,	Hoboken, N. J.	173 Union st.
<i>S</i> HENRY BOYD MARTIN,	Albany.	33 N.
<i>S</i> GEORGE D. MEIGS,	Pottstown, Pa.	8 S.
FRANK PELTON,	Lowville.	14 N.
<i>S</i> LEWIS SHERMAN,	West Rupert, Vt.	70 Barret st.
<i>S</i> CADY STALEY,	Florida.	66 Jay st.
CORNELIUS C. VAN INWEGEN,	Port Jervis.	30 N.
JOHN WALLACE,	Reading, Pa.	38 N.

STUDENTS

OF

ANALYTICAL CHEMISTRY.

[DURING THE LAST THREE TERMS.]

NAMES.	TERMS.	RESIDENCES.	ROOMS.
GEORGE AINSLIE,	2d, 3d.	Delhi.	15 N.
JOHN S. ANDREWS,	1st.	Reading.	18 S.
HOMER E. AYLESWORTH,	2d.	Burlington Green.	
HENRY BACON,	2d, 1st.	Sing Sing.	43 S.
MILTON BRAYTON,	1st.	Westernville.	38 N.
ALBERT H. CHESTER,	1st.	Buffalo.	3 Romeyn st.
SAMUEL W. CLASON, JR.,	1st.	New Milford.	21 S.
RUSSEL RIPLEY DORR,	3d.	Rutland Vt.	
JACOB WURTS DUBOIS,	3d.	Rosendale.	
ROBERT MASON FULLER,	2d, 3d.	Schenectady.	55 Ferry st.
ROBERT JONES GREGG,	1st.	Peoria. Ill.	31 N.
LEONARD G. HUN,	3d, 1st.	Albany.	5 S.
BRADLEY MARTIN,	3d.	Albany.	
GEORGE C. NEWMAN,	3d.	Poultney, Vt.	
HIRAM EDGAR PHELPS,	2d.	Crown Point.	
WM. APPLETON POTTER,	2d, 1st.	Philadelphia.	174 Union st.
A. VAN NEST POWELSON,	1st.	Pluckamin, N. J.	21 S.
FRANCIS D. PUTNAM,	2d.	Schenectady.	
ROBERT D. RADCLIFFE,	2d, 3d, 1st,	Albany.	39 N.
ISAAC E. ROBERTS,	2d, 3d.	Lancaster, Pa.	
JOHN B. ROBINSON,	2d.	Malden, Mass.	
HENRY CLAY SANBORN,	2d.	Plattsburgh.	
HORATIO NELSON SNOW,	2d.	Root.	
DANIEL M. STIMSON,	2d, 3d.	Albany.	41 N.

NAMES.	TERMS.	RESIDENCES.	ROOMS.
FRANK THOMPSON,	3d.	Ballston Spa.	
ROBERT H. VAN PATTEN,	2d.	Guatemala, C. A.	
HENRY CLAY VAN ZANDT,	3d.	Schenectady.	
DR J. H. VEDDER,	1st.	Schenectady.	71 State st.
DAVID M. M. ZELLER,	1st,	Dayton, Ohio.	31 S.

SUMMARY.

SENIORS,	99
JUNIORS,	76
SOPHOMORES,	66
FRESHMEN,.....	16
CIVIL ENGINEERING STUDENTS,.....	18
CHEMICAL STUDENTS,	29
	304
REGISTERED IN TWO COURSES,	19
TOTAL,	285

PRIZE SCHOLARSHIPS.

The incumbents of the Nott Prize Scholarships for the present year are as follows:

CLASS OF 1864.

ALONZO P. A. STRONG. Prepared at UNION SCHOOL, Schenectady.

CLASS OF 1865.

CLARK BROOKS. Prepared at UNION SCHOOL, Schenectady.

DAVID C. ROBINSON. Prepared at UNION SCHOOL, Schenectady.

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HON. RICHARD M. BLATCHFORD,

A. P. CUMMINGS, Esq.,

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JOHN A. DEREMER, A. M., *Librarian.*

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HON. WILLIAM D. WATERMAN,

OLIVER D. F. GRANT, Esq.

HON. FRANCIS N. MANN,

CLARKSON N. POTTER, Esq.,

HIRAM BARNEY, Esq.,

HON. JOHN W. EDMONDS,

HON. CLARK B. COCHRANE,

HON. ALEXANDER H. RICE,

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HON. WILLIAM F. ALLEN.

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HON. JOHN A. LOTT, LL. D.

HOWARD POTTER, Esq.

HON. RICHARD M. BLATCHFORD.

CALENDAR

OF

THE LAST COLLEGIATE YEAR, 1862-3.

At the Commencement, July 24, 1863, the regular prizes were awarded as follows :

NOTT SCHOLARSHIP PRIZES.

DAVID C. ROBINSON,
CLARK BROOKS.

BLATCHFORD ORATORICAL MEDALS.

First Medal—CHARLES G. CLARK,..... Troy, N. Y.

Second “ JAMES G. JOHNSON,..... Washington, D. C.

WARNER PRIZE.

DANIEL T. ARBUCKLE, Delhi.

The following degrees were conferred :

BACHELORS OF ARTS—*Classical.*

NAMES.	RESIDENCES.
DANIEL T. ARBUCKLE,	Delhi.
A. WATSON ATWOOD,	Philadelphia, Pa.
SETH C. BEACH,	Marion.
HENRY N. BECKWITH,	Sutton, Vt.
GEORGE A. BEATTIE,	Hebron.
L. HENRY BELLINGER,	Root.
DAVID BLAKELEY,	Meredith.
MORTON E. BRASEE,	Lancaster, Ohio.

NAMES.	RESIDENCES.
JOHN C. BUSHNELL,	New York.
CHARLES G. CLARK,	Troy.
ALEXANDER T. CROMPTON,	Newark, N. J.
HERMON CONANT,	Nashua, N. H.
GEORGE W. DENTON,	North Hempstead.
ROBERT DONALD,	Mount Vernon, Wis.
JOHN J. DOWNING,	Troy.
JACOB W. DUBOIS,	Rosendale.
CHARLES L. EASTON,	Lowville.
WILLIAM H. FIELD,	New York.
RICHARD A. HARKNESS,	Kortright.
CHARLES M. A. HEWES,	Lawrence, Mass.
ISAAC W. HEYSINGER,	Fayetteville, Pa.
HARRISON T. HICKOK,	Mechanicsville.
ERI B. HULBERT,	Hamilton.
JAMES G. JOHNSON,	Washington, D. C.
ANDREW KIRKPATRICK,	New Brunswick, N. J.
BENJAMIN B. LOOMIS,	Richfield Springs.
JAMES T. McMILLAN,	Jacksonville, Ill.
BRADLEY MARTIN,	Albany.
SAMUEL C. L. MOTT,	Sing Sing.
THOMAS S. MURDOCK,	Kortright.
STEPHEN PALMER,	Hoosick Falls.
AMASA J. PARKER, Jr.	Albany.
FRANCIS T. PATTON,	Brunswick.
HIRAM E. PHELPS,	Crown Point.
MERRITT A. POTTER,	West Troy.
JAMES F. POTTS,	Whitehall, Ill.
DANIEL C. REEVE,	Middletown.
ISAAC E. ROBERTS,	Lancaster, Pa.
JOHN B. ROBINSON,	Malden, Mass.
CHASE ROYS,	Schenectady.
ELIHU T. SANFORD,	Schenectady.
GEORGE B. SAWTELLE,	Sidney, Me.
WILLIAM H. SMITH,	Farmington, Conn.
HORATIO N. SNOW,	Spraker's Basin.

NAMES.	RESIDENCES.
EDWARD C. TAINTOR,	Buffalo.
EDWARD P. TAYLOR,	Alton, Ill.
FRANK THOMPSON,	Ballston Spa.
DAVID N. VANDERVEER,	Schenectady.
HOMER S. WATERBURY,	Schoharie.
JOHN WRIGHT, Jr.,	Wilmington, Del.
JAMES YATES,	Chicago, Ill.

BACHELORS OF ARTS—*Scientific.*

CHARLES S. AUSTIN,	Peoria, Ill.
THADDEUS R. AUSTIN,	" "
HOMER E. AYLESWORTH,	Burlington Green.
BRADFORD BARNER,	Damascus, Pa.
SANFORD C. CONDE,	West Troy.
THOMAS H. FEAREY,	Albany.
CHARLES E. PEARCE,	Schenectady.
VINCENT M. PORTER,	Niagara Falls.
GEORGE F. SAWYER,	West Kendall.
JOHN H. SERVISS,	Glen.
GARRIT D. VAN VRANKEN,	Clifton Park.

GRADUATES IN CIVIL ENGINEERING.

EZRA T. CLARK,	Bedford.
CHARLES K. WARNER,	New York.

MASTERS OF ARTS—*In Course.*

REV. IRA J. BIDWELL,	Lansingburgh.
JOHN P. BIRCH,	Philadelphia, Pa.
RICHARD W. BLACK,	U. S. A., Carlisle, Pa.
JOHN CANTINE,	New York.
REV. JOHN M. W. FARNHAM,	Shanghai, China.
WESTON FLINT,	U. S. A., St. Louis, Mo.
GEORGE T. LAPE,	New York.
WILLIAM C. MACY,	Union College.
REV. WILLIAM H. POOR,	Poultney, Vt.
1st. LIEUT. B. F. SCEVA,	U.S. A., Harper's Ferry, Va.

NAMES.	RESIDENCES.
CAPT. LYSANDER W. TULLEYS,	U. S. A.
RICHARD C. STEELE,	Auburn.
1st. LIEUT. E. B. VAN WINKLE,	U. S. A.
ALBERT WALDRON,	Hartwick.
LON WESTON,	Mystic Bridge.
ALBERT WHITFORD,	Milton, Wis.

A. M.—*Honorary.*

REV. HENRY C. POTTER,	Troy.
J. WESLEY EDDY,	Buttermilk Falls.

D. D.

REV. THOMAS RICHEY,	Warden of St. Stephen's College, Annandale.
REV. WILLIAM BANNARD,	Kingsboro'.
REV. JOSEPH E. KING,	Fort Edward Institute.

LL. D.

HON. JOSEPH MULLIN,	Watertown.
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TIME OF RINGING THE BELL.

FIRST TERM.	A. M.				P. M.				SECOND TERM.
	First Bell.	Prayer and Recitat. Bell.	Study Bell.	Recitation Bell.	Study Bell.	Recitation Bell.	Closing Bell.	Study Bell.	
COMMENCING FIRST MONDAY.									COMMENCING FIRST MONDAY.
First Week, . .	6 25	7 35	9 00	11 00	2 00	4 00	5 00	7 00	Thirteenth Week.
Second Week, .	6 25	7 35	9 00	11 00	1 55	3 55	4 55	7 00	Twelfth Week.
Third Week, . .	6 30	7 40	9 00	11 00	1 50	3 50	4 50	7 00	Eleventh Week.
Fourth Week, .	6 30	7 40	9 00	11 00	1 45	3 45	4 45	7 00	Tenth Week.
Fifth Week, . .	6 35	7 45	9 00	11 00	1 40	3 40	4 40	7 00	Ninth Week.
Sixth Week, .	6 35	7 45	9 00	11 00	1 35	3 35	4 35	7 00	Eighth Week.
Seventh Week, .	6 40	7 50	9 00	11 00	1 30	3 30	4 30	7 00	Seventh Week.
Eighth Week, .	6 40	7 50	9 00	11 00	1 25	3 25	4 25	7 00	Sixth Week.
Ninth Week, . .	6 45	7 55	9 00	11 00	1 20	3 20	4 20	7 00	Fifth Week.
Tenth Week, .	6 45	7 55	9 00	11 00	1 15	3 15	4 15	7 00	Fourth Week.
Eleventh Week, .	6 50	8 00	9 00	11 00	1 10	3 10	4 10	7 00	Third Week.
Twelfth Week, .	6 50	8 00	9 00	11 00	1 05	3 05	4 05	7 00	Second Week.
Thirteenth Week,	6 50	8 00	9 00	11 00	1 00	3 00	4 00	7 00	First Week.
THIRD TERM, . .	6 20	7 30	9 00	11 00	2 00	4 00	5 00	Early Candle Light.	THIRD TERM.



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1863/64

3d term

Please Exchange.

CIRCULAR
AND
CATALOGUE
OF
SIOUX
UNION COLLEGE,
SIXTY-NINTH YEAR,
THIRD TERM,
1864.



CIRCULAR
AND
CATALOGUE
OF
UNION COLLEGE,
SIXTY-NINTH YEAR,
THIRD TERM,
1864.

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1864.

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NOTT Professor (No. 1), of the Greek Language and Literature.

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NOTT Professor (No. 7), of the Latin Language and Literature.

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NOTT Professor (No. 3), of Analytical Chemistry ; and Curator of the Museum.

HENRY WHITEHORNE, A. M.,

NOTT (adjunct) Professor (No. 4) :

Principal of the Classical Department of Schenectady Union School.

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CALENDAR, 1864-5.

THIRD TERM BEGAN.....	Friday,	April	22,	1864.
THIRD TERM ENDS.....	Friday,	July	22,	"
CLASS DAY.....	Monday,	July	25,	"
PHI BETA KAPPA DAY.....	Tuesday,	July	26,	"
GRADUATES' DAY.....	Wednesday,	July	27,	"
COMMENCEMENT,.....	Thursday,	July	28,	"
FIRST TERM BEGINS.....	Friday,	Sept.	16,	"
FIRST TERM ENDS.....	Friday,	Dec.	16,	"
SECOND TERM BEGINS.....	Friday,	Jan.	6,	1865.
SECOND TERM ENDS.....	Friday,	April	7,	"
THIRD TERM BEGINS.....	Friday,	April	28,	"
THIRD TERM ENDS.....	Friday,	July	21,	"

DATES OF SUCCEEDING COMMENCEMENTS.

1865, July 27th. 1866, July 26th. 1867, July 25th. 1868, July 23rd.
 1869, July 29th. 1870, July 28th. 1871, July 27th. 1872, July 25th.

INFORMATION.

I. COURSES OF STUDY.

There are three Courses of Study established in the institution ; the Classical, the Scientific, and the Partial or " University " course.

The Classical course is the usual Baccalaureate course of the College, and remains unchanged, and the degrees conferred remain the same as is customary in American Colleges.

In the Scientific course the modern languages are substituted in place of the ancient languages, and the amount of mathematical studies is increased. The degrees conferred remain unchanged ; but the diploma given is in French.

In the Partial or " University " course, students select such studies as they are qualified to pursue with advantage, and receive a certificate in English indicating their proficiency in those which they have pursued.

There are also special courses of instruction in Civil Engineering and in Analytical Chemistry.

II. REQUIREMENTS FOR ADMISSION.

Candidates for admission must present testimonials of good moral character, and if from another college, a letter of honorable dismissal or of special assent. Sixteen years of age are requisite for admission ; the candidate enters, however, any class for which he is qualified. As good moral deportment, as well as certain acquirements in literature, is necessary to standing in this institution, candidates for admission will be put on probation, during which they will recite with their class, and enjoy there all the privileges of members in full standing. When sufficient time has elapsed, if their conduct be such as to warrant it, the president will sign a certificate of their admission. If not previously vaccinated, they will be required to become so before their admission.

Candidates for the Freshman Class, in the *classical* course, must be *thoroughly* prepared in English Grammar ; Arithmetic (Davies' " University," or an equivalent) ; Algebra (through equations of the first degree) ; Andrews and Stoddard's Latin Grammar ; Cæsar's Commentaries, four books ; Virgil's *Æneid*, six books, and *Eclogues* ; Latin Prosody ; four Orations of Cicero ; Sallust's *Catiline*, or *Jugurtha* ; Arnold's Latin Prose Composition, First Part, 12 chapters ; Crosby's or Hadley's Greek Grammar ; (Greek Reader, or) Xenophon's *Anabasis*, three books ; Homer's *Iliad*, one book. The whole, or, a full equivalent, in both quantity and quality, will be strictly required. It is desirable that those intending to pursue the Classical course should enter at the commencement of the Freshman year.*

Candidates for the *Scientific* course will be examined, for admission to the Sophomore year, on English Grammar, Arithmetic (Davies' " University"), Algebra (completed), Geometry, five books, and United States History.

Candidates for any other class will also be examined in all the studies previously pursued by said class, as shown in the following course of studies.

It is very important that candidates should be thoroughly prepared, especially in grammatical and elementary knowledge. Where they have more time than is requisite for such preparation, it is desirable, for obvious reasons, that they should not anticipate subjects in the College course, but apply themselves to other studies.

Students from other colleges can not enter later than the beginning of the third term of the Senior year.

Students not candidates for a degree are examined only sufficiently to test their qualifications to pursue with advantage the course of study which they have in view.

Examinations for admission take place in presence of three officers. The regular times for such examinations are the last two days (Friday and Saturday) of the week preceding Commencement, and the last two days of each vacation (*viz*: Thursday and Friday),

* Teachers preparing students to enter College are requested to notice that the above requirements for admission have recently been increased; Algebra (through equations of the first degree), &c., being now required.

at 10 o'clock, A. M. For the dates of these, see the calendar, on page 6.

Students are recommended to present themselves at the examination preceding Commencement, so that if they should be slightly deficient in any study, they may have an opportunity of making it up before the beginning of the following term.

III. DEPARTMENTS OF INSTRUCTION.*

1. THE GREEK LANGUAGE AND LITERATURE.

The course of instruction in this department extends regularly through the whole of the Freshman and Sophomore years, together with the first and second terms of the Junior. In the Senior year, some Greek author is read as a voluntary exercise, when time and circumstances permit. Lectures form the greater part of the instruction in the later part of the course. There is a gradation of aims. The Freshman year is employed almost wholly in thorough grammatical drilling. In the Sophomore year the chief object is correct and elegant translation, in which much attention is paid to what may be called the laws of correct expression, or the transfer of idiom into idiom. A constant demand is, the best English for the best Greek. Thus progress is made in the knowledge of the capacities of our own tongue, whilst the power of the ancient language is shown in a way which can never be exhibited in the un-English verbal renderings that are so commonly permitted. In the Junior year, the same object is pursued, but more attention is given to the philosophy or poetry of the classic author, as a matter of general criticism. In the time devoted to Greek in the Senior year, the latter aim is made predominant.

By steadily pursuing this course, there is found to be a manifest improvement in each succeeding class. The standard of preparation is gradually raised, the valuable educational influence of the classics

* At the last Commencement, the requirements for admission were increased, and the course of study consequently modified and advanced. The statements in the following pages refer to the new arrangement, though not yet entirely in operation. The course for the *present* year is given in a synoptical form on page 22.

is secured for the whole class, whilst great pains are taken, especially in the latter part of the course, to arouse the enthusiasm of that smaller portion, who may be expected to make the ancient languages and literature a special study in after life.

The reading of the Freshman year is confined mainly to Xenophon and Homer. The Sophomore year and part of the Junior, are found, from good experience, to be most profitably occupied with the Greek Dramatic Poetry, whilst in the remainder of the course the Greek Philosophy is made the chief object of attention. One idea is never lost sight of. It is the bearing of the ancient philosophy, poetry, and mythology, upon Revelation and the Christian theology. Especially in the Junior and Senior years, is this made a prominent thought, presented not only in lectures, but in constantly calling attention to everything by which it may be legitimately suggested.

The course of reading is frequently varied from that which is presented in the Catalogue, although the same general amount is required and the same general plan is pursued. As the instruction is in a high degree oral, bare text-books are preferred to editions with notes, although no objection is made to such helps when they can be obtained.

During the senior year courses of lectures are delivered by Prof. Lewis on ancient Philosophy, Ancient Poetry and Literature in general, and on Biblical Literature and Classical Criticism.

2. THE LATIN LANGUAGE AND LITERATURE.

The course of instruction in this department, extending through the Freshman and Sophomore years and the first and second terms of the Junior year, embraces the reading of select portions of the Latin classics, and such collateral exercises as are requisite to the successful study of the Latin language.

During the Freshman year, special regard is paid to the translation of English into Latin. The Latin Grammar is carefully reviewed, the regular recitations in it being continued in connection with the reading lessons, until the student is made familiar with its laws and with their applications.

In the Sophomore year is commenced a more critical examination of the distinguishing features of the Latin language, its idioms, and

its relationships to other languages, as it appears in its structure and history, as well as in the forms, composition, and more remote etymology of its words. Particular attention is also given to the peculiarities of style, as exhibited in different Latin authors, and to rhetorical excellence in translation; that the student, while he is studying another language, may acquire a ready and elegant use of his own.

In the Junior year, the course of instruction is varied by appropriating more time to the investigation of the literature of the language; and in this the student is aided by lectures.

The instruction in this department, through the entire course, aims not only to impart to the student a thorough and accurate knowledge of the Latin language and its literature, and thus to conduct him to a more liberal and philosophical understanding of language and literature in general, but also to render him efficient aid in the discipline and education of his mind in the art of thinking, and in the best modes of expressing thought.

3. MODERN LANGUAGES.

The method pursued in this department includes daily conversation in the foreign language; oral and written translation from that into Saxon English and from the English tongue into the foreign; and lectures on the Continental Literatures, with original criticism by the student, upon characteristic passages. Throughout the whole course, original Induction by the student is required, wherever such Induction can be made by him; and all the processes are conducted in the logical order necessary to some conclusions in active life, and in the common phraseology.

The course is thus divided :

THE FRENCH LANGUAGE is made a regular daily study of the Scientific course during two and one-half terms, beginning with the First Term Sophomore. The text books used are Peissner's "Elements of the Romance Languages, French, Italian, Spanish;" and Louis Pujol's "*Complete French Class Book.*" A voluntary class (advanced) may be formed in the following term, in which *Corneille*, *Racine*, *Moliere*, or other classics, are read.

THE GERMAN LANGUAGE is taught as a regular daily study of the Scientific course during three successive terms, beginning with the First Term Junior. The text books used are Peissner's "Grammar, Exercises and Reading Lessons;" Dr. Heyse's *Leitfaden der deutschen Sprache*, and Peissner's "Course of German Literature."

THE SPANISH LANGUAGE is a voluntary study in the Second Term Senior. The text books used are Peissner's "Romance Languages," and Salva's *Grammatica Castellana*. An advanced class may pursue this study another term, using Velasquez's Reader.

THE ITALIAN LANGUAGE is taught as a voluntary study in the Third Term Sophomore. The text books are Peissner's "Romance Languages," and Rio's *Lingua Italiana*. An advanced class may pursue the study of Italian another term; Foresti's Reader, or some Italian classic, being the text book.

The hours for the recitations in the modern languages are so arranged that they may be taken by regular classical students.

4. ORIENTAL LANGUAGES.

A class in Hebrew is formed every year by Prof. Lewis.

Instruction in Syriac, Arabic and the cognate tongues, is also given by him to any desiring it.

5. MATHEMATICS AND ASTRONOMY.

The Studies of this department are arranged as follows :

FRESHMAN YEAR.

First Term.—Algebra, to "Series."—(Bourdon.)

Second Term.—Algebra, (completed).—(Bourdon.)

Third Term.—Geometry—Plane; five books.—(Legendre.)

SOPHOMORE YEAR.

First Term.—Geometry—Solid; four books.—(Legendre.)

Second Term.—Conic Sections.—(Jackson.)

Third Term.—Trigonometry—Plane and Spherical.—(Jackson.)

JUNIOR YEAR.

First Term.—Analytical Geometry.—(Davies.)

Descriptive Geometry.—(Heather's Monge.)

Second Term.—Differential and Integral Calculus.—(Davies.)

Third Term.—Analytical Mechanics.—(Boucharlat.)

SENIOR YEAR.

Second Term.—Astronomy—(Gummere.)

6. CIVIL ENGINEERING.

This department was founded in 1845. Its object is to give its students such instruction in the theory and practice of Civil Engineering, as to qualify them for immediate usefulness in the field and office in a subordinate capacity, and at the same time to fit them to fill satisfactorily the higher positions in the profession after a moderate amount of experience in the routine of practice. The course of instruction aims to effect this by constant exercise in mechanical draughting, instrumental field work and numerical calculation, combined with the study of text books, and lectures on the numerous subjects where books are wanting. Its facilities have recently been greatly increased by the acquisition of numerous models and instruments from the best European sources.*

The Civil Engineering course can be taken by persons wishing to pursue it specially, by their entering as "University students," taking such collateral regular College studies as may be desirable. It is completed in two years, beginning with the Summer term, or College "Third Term," about May 1st, and ending the last week in March, in time for its students to join parties then beginning the field work of the season. The fees are, for the present, the same as those of the ordinary College course.

For commencing the Civil Engineering course (about May 1st), the requirements are Arithmetic, Algebra, Geometry (plane and solid), and the execution and demonstration of the first seventy problems of Mahan's "Industrial Drawing." These last are taught

* Among them are these: a complete set (fifty) of the beautiful *Olivier* models of Descriptive Geometry, showing the generations, transformations and intersection of "Rule-surfaces;" the best stone-cutting models, (twenty) of *L'Ecole Polytechnique*; the Topographical models of M. Bardin; his "Skew-arch" models; Mr. Doyne's dynamometer bridge-strain model; the levels of Egault, Troughton, &c.

with additions, in the preceding term, to those then present, both "Regular Scientific students" and prospective "Engineering students." Readiness in the common operations of Arithmetic (particularly mental calculation, cancellation and decimals), and perfect familiarity with the elements of Algebra and Geometry, are indispensable preliminaries for commencing the course with advantage. Previous practice in writing rapidly from dictation, and in making abstracts of lectures is very desirable. Any portions of the course may be taken separately by those qualified to pursue them profitably.

The subjects of the course are arranged in the order given below, so as to harmonize them with the Terms of College, and the seasons of the year suitable to field work or otherwise. The course is also so arranged and subdivided, that the more popular topics and the more specially technical ones come at different times; so that those students who desire merely a general knowledge of Civil Engineering as a part of a liberal education, and those who wish to study it professionally, can each be suitably accommodated. The instruction is also given at different hours from those of the regular recitations, so as to prevent any interference, and to enable its special students to pursue collaterally such of the regular studies as they are found to require.

FIRST YEAR.

Summer Term.—Land Surveying; (Gillespie, Parts 1, 2, 3,) with field work, plats and calculations.

Draughting, by Plans, Elevations and Sections,
or Perpendicular Projection—(Mahan.)

Trigonometry; Plane and Spherical—(Jackson.)

Fall Term.—Land Surveying continued (Parts 4 to 12); and Level-
ling —(Gillespie.)

Descriptive Geometry—(Heather's Monge.)

Analytical Geometry—(Davies.)

Winter Term.—Draughting, continued.

Mensuration of Engineering Structures,

Differential and Integral Calculus—(Davies.)

SECOND YEAR.

Summer Term.—Higher Surveying.—(Gillespie.)

Statics and Dynamics.—(Jackson.)

Engineering Statics: The Strength of Materials.

Draughting, continued.

Analytical Mechanics.—(Boucharlat.)

Geology.

Fall Term.—Road Engineering; with field practice, calculation of Earth work, &c.—(Gillespie.)

Engineering Statics; The Stability of Structures.

Hydraulics, Pneumatics, Heat, &c.—(Jackson.)

Stereotomy; Applications of Descriptive Geometry to Stone Cutting, &c.

Winter Term.—General Construction; Materials, Foundations, Masonry, Carpentry, &c.—(Mahan.)

Bridge Engineering; Plans and Calculations of the Forms and Dimensions of Bridges of Wood, Iron and Stone.

Water Engineering; Canals, Water Supply, Drainage, River and Sea Coast Improvements, &c.

Geodesy; and Practical Astronomy.

The recent extension of this course demands so much time and study from those who take it, that students of the complete College "Scientific course" *can not* pursue both at the same time. They can, however, with extra labor, combine the two by making them "overlap," distributing the extra studies of the first four terms of the above course over the last seven terms of the regular course, and then completing the C. E. course in two terms after graduating. Their "extra" studies would then be taken in this order: *Sophomore, 3d term*, Draughting; *Junior, 2d term*, The Calculus and Draughting; *Junior 3d term*, Analytical Mechanics and Draughting; *Senior 1st term*, Surveying (continued) and Levelling; *Senior, 2d term*, Engineering Mensuration; *Senior, 3d term*, Higher Surveying and Engineering Statics; and in the two terms after graduating, the subjects noted in the last two terms above.

Students of only the special Engineering course are earnestly

advised, if their bodily and mental strength will permit, to combine with it the modern languages and the physical science of the Regular course, including more or less Chemical practice in the Analytical Laboratory. But if their time will allow their best plan is to enter as "Regular Scientific Students," and to pursue the complete course indicated in the preceding paragraph.

At the beginning of the last term of the course, students who are candidates for a diploma are required to undergo a written examination on the leading points of all their preceding studies. Those who pass it satisfactorily, and complete similarly the remainder of the course, receive a diploma conferring the degree of "Graduate in Civil Engineering" (C. E.), and it is intended that this diploma shall be a guarantee of more than average ability and industry. The others receive certificates proportioned to what they have done, both as to quantity and quality.

Graduates in this course, who may choose to continue their studies another term, will receive directions and supervision from the Professor without fee, and can employ their time with great profit in the continuation and development of various useful subjects of investigation.

ARCHITECTURAL STUDENTS will find a large part of this course (particularly the Draughting, Mensuration, Stereotomy, Strength and Stability, &c.), adapted to their requirements. A special course of lectures on Architecture, considered historically and æsthetically, is given during the summer term. Students may enter at any point of the course for which they are qualified.

MILITARY ENGINEERING, embracing Reconnaissance, Military Bridges, Fortifications, &c., is taught in connection with the course of Civil Engineering.

7. NATURAL PHILOSOPHY.

The instruction in this department extends through three terms, commencing with the third term of the Junior year. Students, both of the Classical and Scientific course, and those in the Engineering department, recite in two divisions, one hour being given to each, five days in the week, and the subjects succeeding each other in the following order :

JUNIOR YEAR.

Third Term.—Statics and Dynamics.—(Jackson.)

SENIOR YEAR.

First Term.—Hydrostatics, Hydrodynamics, Pneumatics, Heat, Steam.—(Jackson.)

Optics.—(Jackson.)

Second Term.—Sound, Electricity, Magnetism, Galvanism, Electro-Magnetism.—(Foster.)

To secure at once precision and fullness, the instruction is mainly given from recently prepared text books. Frequent lectures are however delivered, either to furnish illustrations and proof of principles by experiment, or to amplify particular subjects. Thus, after the completion of Statics and Dynamics, several lectures are devoted to mechanical "Work," in order that not only the construction and theory, but modes of determining the *efficiency* of the various hydraulic and pneumatic machines may be understood. All lectures are required to be written out by the students in full from the notes, and submitted for inspection. Numerous problems are also given on all the subjects, and are mostly so constructed that the calculated results may be verified by experiments before the class. Both to test the accuracy of the knowledge gained, and to ensure its ready command, several written examinations are required in each term, usually near its close.

To learn the application of the differential and Integral Calculus to Mechanics, the students of the Scientific and Engineering courses recite daily, during the Third Term Senior, select portions of Boucharlat's Mechanics.

In most of the branches included in this department the apparatus is sufficient for very complete experimental illustrations.

8. CHEMISTRY.

In the Undergraduates' department, Chemistry is taught by daily lectures and recitations: during the First Junior term on inorganic Chemistry; the Second Junior term on organic, and the Third Senior term on agricultural Chemistry.

Undergraduates are also permitted to attend the daily two-hour-course of experimental Chemistry at the Laboratory; for which there is an extra charge of \$12 per term for instruction and use of Laboratory.

The *NOTT Laboratory* is open for special students, in all branches of Chemistry; particularly students of Agriculture, Medical students, Pharmaceutists, Manufacturing Chemists, Mineralogists, Metallurgists, students of Medical Jurisprudence, etc.

Students who desire to devote but a portion of their time to Chemistry, can pursue at the same time other studies in the collegiate courses, either collateral, as Geology, Mineralogy, &c., or any others. No previous knowledge of the science is required, though highly desirable.

The plan of study depends upon the object of the student, his previous knowledge, and the time at his disposal. It is designed, however, to give a complete professional education in Chemistry to such as may desire it.

A complete course, lasting two years, is arranged thus :

First Term.—Qualitative Analysis ; comprising general testing, detection of poisons, and Blowpipe Analysis.

Second Term.—Chemical Preparations.

Third Term.—Quantitative Analysis.

Fourth Term.—Quantitative Analysis (continued), Volumetric Analysis and Assaying of Ores.

Fifth Term —Organic Chemistry.

Sixth Term.—Agricultural and Medical Chemistry.

The Laboratory will be open to its special students every day in the week except Saturday, from 9 A. M. to 5 P. M.

Charge for full course, \$35 per term; for half-day course, \$25 per term.

Students can not enter the Laboratory for less than one term.

Students are not required to purchase the apparatus which they use, but are charged for what they consume and injure. They also pay for the chemicals which they consume. The above extras amount to from \$2 to \$20 per term.

For fuller information address Prof. C. F. CHANDLER.

9. NATURAL HISTORY.

MINERALOGY is taught during the Third Junior (Summer) Term by a daily course of practical lessons, illustrated by a complete set of crystal models, and a series of six hundred specimens for determination by crystallographic and blowpipe examination.

GEOLOGY is taught during the Same Term by a daily course of lectures and recitations.

The facilities for instruction in these departments have recently been largely increased by the addition to the College Cabinet of the WHEATLEY *Collection of Minerals and Shells*, purchased by E. C. DELAVAN, Esq., for ten thousand dollars, and by him presented to the College. About three thousand of its specimens have been systematically arranged and labelled for the purpose of instruction, and form a collection which stands among the first in the country in value and interest. In addition, a suite of the ores of the useful metals, comprising about a thousand specimens, have been arranged to illustrate their mode of occurrence and geographical distribution. The College is also in possession of a series of specimens, representing the rocks of the State of New York, and some of the most important fossils. The Cabinet of recent Shells, which forms a part of the Wheatley collection, comprises about five thousand species; among which the land and fresh water genera are peculiarly well represented.

BOTANY is taught during the Summer Term, both from text book (Gray's) and practically in the field.

10. LOGIC, RHETORIC, AND ENGLISH LITERATURE.

The instruction in Logic and Rhetoric includes the use of text books—lectures—and practical exercises in vocal culture, declamation and the various forms of composition. In the study of English Literature, it is the aim to secure an acquaintance with the historical development of the language, and the course of English thought as expressed at different periods, in the works of representative men.

The Freshmen have exercises once a week in vocal culture, declamation, and the elementary forms of composition.

During the first term of the Sophomore year, three exercises a week are devoted to the study of a text book on Rhetoric; and in the second term two exercises a week to the critical study of words, their origin and uses. At each recitation two or more essays are read; and the declamation of select pieces, or an exercise in vocal culture once a week, is continued through the year.

In the first term of the Junior year, two hours a week are given to the study of the English language; and three in the second term, to the study of rhetoric or logic and the critical examination of models of eloquence. The third term of the Senior year is devoted to the study of the principles of eloquence and to lectures on English Literature. The rhetorical exercises of the Junior and Senior classes consist of essays, discussions, and original declamations, from six or more members of each class once a week.

Public rhetorical exercises are held in the chapel every Saturday morning in which the three older classes take part, the Seniors and Juniors by the delivery of original pieces.

The text books and books of reference are as follows:

IN RHETORIC:—Coppée's Rhetoric; Whately's Rhetoric and Logic; Theremin on Eloquence; the great Speeches of Webster and Hayne.

IN ENGLISH LITERATURE:—Clarke's English Language; Marsh's Lectures of the English Language and Literature; Reed's Lectures on English Literature; Craik's English Literature; Trench's various works; Milton's Paradise Lost.

11. POLITICAL ECONOMY.

A course of *Lectures* on this subject will be delivered during the Third Term of the Senior year.

12. MENTAL AND MORAL SCIENCE.

The order of instruction pursued in these studies is given in the text books used; but a wide margin is filled in by Lectures and oral comments, explanations and illustrations. The end sought to be secured is a systematic and not merely elementary or fragmentary apprehension of the subject in hand, each part having its relation to a whole, and its connection and place in the whole being necessary to be apprehended in order to any adequate knowledge of the fact itself. The student is not only examined from the text book, but

leading questions are put as the lesson proceeds, designed to bring out his own powers, and to awaken individual thought and independent reflection. The class are all required to write on themes furnished in the order of the course, and given out by the teacher to separate divisions successively. It is made the design of this composition to secure correct and clear thought, expressed distinctly and definitely, and to keep the attention precisely to the point while giving completeness to the whole discussion, with less regard in this exercise to rhetorical embellishment. Other authors are referred to as desirable for the student to read as opportunity may be afforded, and his attention is directed to such as treat on the same or collateral topics. Different views and theories are noticed and examined as the course proceeds, and the whole ground of investigation on the topic in hand, is laid open before the class as completely as may be. The constant aim is to cultivate the habit of manly and independent though careful and patient reflection.

MENTAL PHILOSOPHY (Hickok's) is taught in the First Term of the Senior year; MORAL PHILOSOPHY (Hickok's) is taught in the Senior Second Term; and the HISTORY OF PHILOSOPHY (Schwegler's) in the Third Term.

A synoptical view of the preceding departments of instruction will be found on the four following pages :

COURSE OF STUDIES*

FOR 1864-5.

CLASSICAL COURSE.

FRESHMAN CLASS.

FIRST TERM.

Livy—Three Books, *Lincoln.*
 Xenophon's Cyropædia, *Owen.*
 Algebra (to "Series"), *Bourdon.*

SECOND TERM.

Horace—Three Books of Odes, Prosody, *Lincoln.*
 Xenophon—Memorabilia.
 Algebra—(Completed), *Bourdon.*

THIRD TERM.

Cicero de Officiis—Two Books, *Thatcher.*
 Homer—Iliad—Four Books, *Owen.*
 Geometry—Plane—Five Books, *Legendre.*
Throughout Freshman year, Exer's in Latin and Greek Composition, ... Arnold.

SOPHOMORE CLASS.

FIRST TERM.

Tacitus—History—Two Books; or, Germania and Agricola.
 Homer—Odyssey—Six Books, *Owen.*
 Geometry—Solid—Four Books, *Legendre.*
 Rhetoric, *Coppée.*

SECOND TERM.

Juvenal (1st, 3d and 10th) and Terence (one.)
 Euripides—One or Two Dramas.
 Algebra (Completed), *Bourdon.*
 Study of words, *Trench.*

THIRD TERM.

Horace—Satires and Epistles.
 Sophocles—Two Dramas.
 Trigonometry—Plane and Spherical, *Jackson.*
Throughout Sophomore year, Exercises in translating Greek into Latin.

* After the present year, this course will be considerably modified, particularly for the Freshman Class, as indicated in the note on page 9.

COURSE OF STUDIES*

FOR 1864-5.

SCIENTIFIC COURSE.

Candidates for the regular Scientific Course, for admission to the Sophomore year, will be examined on English Grammar, Arithmetic (Davies' "University"), Algebra (completed), Geometry (five books), and United States History.

SOPHOMORE CLASS.

FIRST TERM.

French (Grammar), *Peissner & Pujol*.
 History, *Guizot*.
 Geometry—Solid—Four Books, *Legendre*.
 Rhetoric, *Coppée*.

SECOND TERM.

French (Reader)..... *Pujol*.
 Geometrical Draughting, *Mahan*.
 Algebra (completed), *Bourdon*.
 Study of words, *Trench*.

THIRD TERM.

Trigonometry—Plane and Spherical, *Jackson*.
 Land Surveying (Parts 1, 2, 3), *Gillespie*.
 Draughting—(Voluntary), *Mahan*.
 French—*Moliere* or *Racine*. Italian—(Voluntary), *Peissner & Rio*.
 Botany—(Voluntary), *Gray*.

* After the present year, this course will be considerably modified, as indicated in the note on page 9.

CLASSICAL COURSE.

JUNIOR CLASS.

FIRST TERM.

Cicero—Tusculan Questions—Three Books.

Æschylus—Two Dramas.

Conic Sections, *Jackson's*; or, Analytical Geometry, *Davies*.

English Language, *Clark*.

Chemistry (Inorganic), *Fownes*.

SECOND TERM.

Quintilian.

Plato—Phædon or Gorgias.

Rhetoric, *Whately*.

Chemistry (Organic), *Fownes*.

THIRD TERM.

Statics and Dynamics, *Jackson*.

Geology, *Dana*.

Physiology, *Hooker*.

SENIOR CLASS.

FIRST TERM.

Plato contra Athæos—(Voluntary), *Lewis*.

Hydrostatics, Hydronamics, Pneumatics, Heat, Steam, *Jackson*.

Optics, *Jackson*.

Mental Philosophy, *Hickok*.

Lectures on History of Philosophy, *Lewis*.

SECOND TERM.

Aristophanes—Birds or Clouds—(Voluntary), *Felton*.

Sound, Electricity, Magnetism, Galvanism Electro-Magnetism, *Foster*.

Astronomy, *Gummere*.

Moral Philosophy, *Hickok*.

Lectures on Ancient Poetry, &c., *Lewis*.

THIRD TERM.

History of Philosophy, *Schwegler*.

Principles of Eloquence, *Theremin*.

English Literature—Lectures, *Clark*.

Agricultural Chemistry and Geology, *Johnston*.

Lectures on Biblical Literature, Architecture, &c.

Rhetorical Exercises by Seniors, Juniors and Sophomores, before the whole College, in Chapel, on Saturdays at 8 A. M.

SCIENTIFIC COURSE.

JUNIOR CLASS.

FIRST TERM.

German (Grammar),.....	<i>Peissner.</i>
Analytical Geometry,	<i>Davies</i>
Descriptive Geometry,.....	<i>Heather's Monje.</i>
English Language,.....	<i>Clark.</i>
Chemistry (Inorganic),.....	<i>Fownes.</i>

SECOND TERM.

German (Reader),.....	<i>Peissner & Hryse.</i>
Rhetoric.....	<i>Whately.</i>
Chemistry (Organic),.....	<i>Fownes.</i>
Differential and Integral Calculus (Voluntary),.....	<i>Davies.</i>
Draughting (continued)—Voluntary— <i>Lectures.</i>	

THIRD TERM.

Statics and Dynamics,.....	<i>Jackson.</i>
Geology,.....	<i>Dina.</i>
Mineralogy (Determinative)—(Voluntary),..	<i>Danu.</i>
Analytical Mechanics—(Voluntary),.....	<i>Bouché & Fowles.</i>
Draughting (continued)—(Voluntary)— <i>Lectures,</i>	<i>Gillespie.</i>
German (Literature)—(Voluntary).....	<i>Peissner.</i>
Physiology,.....	<i>Hooker.</i>

SENIOR CLASS.

FIRST TERM.

Hydrostatics, Hydrodynamics, Pneumatics, Heat, Steam,.....	<i>Jackson.</i>
Optics,.....	<i>Jackson.</i>
Mental Philosophy,	<i>Hickok.</i>
Surveying (continued) and Levelling—(Voluntary),..	<i>Gillespie.</i>

SECOND TERM.

Sound, Electricity, Magnetism, Galvanism, Electro-Magnetism.....	<i>Foster.</i>
Astronomy,.....	<i>Gummere.</i>
Moral Philosophy,.....	<i>Hickok.</i>
Spanish—(Voluntary),.....	<i>Peissner & Salva.</i>
Engineering-Mensuration, etc.—(Voluntary)— <i>Lectures.</i>	

THIRD TERM.

History of Philosophy,.....	<i>Schwegler.</i>
<i>Lectures</i> on Biblical Literature, Architecture, &c,	<i>Lewis, Gillespie &c.</i>
Principles of Eloquence,	<i>Theremin.</i>
English Literature— <i>Lectures.</i>	<i>Clark.</i>
Agricultural Chemistry and Geology,.....	<i>Johnston.</i>
Higher Surveying and Engineering Statics—(Voluntary),.....	<i>Gillespie.</i>

 A complete list of the studies of the Civil Engineering Course (which continues two terms longer) is given on page 14.

Rhetorical Exercises by Seniors, Juniors, and Sophomores, before the whole College, in Chapel, on Saturdays, at 8 A. M.

IV. MISCELLANEOUS INFORMATION.

1. **TERMS AND VACATIONS.**—There are three Terms, each of thirteen weeks, and three Vacations. The First Term begins seven weeks after Commencement, which is on the Thursday following the fourth Wednesday of July and varies in date from the 23d to the 29th. It is followed by a Vacation of three weeks embracing the Christmas holidays. The Second Term is followed by the Spring Vacation of three weeks. The Third Term ends with Commencement.

2. **PAYMENTS AND EXPENSES.**—The College bills must be paid at the beginning of each term. In all cases where such payment is not made, the proper officer is instructed to inform parents and guardians. Students, unless from another College, pay for entrance into the Freshman class, \$5; into the Sophomore class, \$7; into the Junior class, \$9; into the Senior class, \$12. No retrospective expense is incurred by entering in advance.

The College bills for Tuition, Room rent, &c., are \$20 per term. When the college rooms are filled, \$3 per term is deducted from the bills of the students who are thereby obliged to room elsewhere; otherwise no deduction is made. Board can be had at from \$3.50 to \$4.50 per week. Fuel and lights about \$15 per year. Washing, \$4 per term. Furniture can be bought and re-sold on leaving, or hired of the College servants.

Young men in straitened circumstances and of good character, on presenting certificates to that effect, are assisted more or less by the Trustees of the College, as long as they study and conduct in a satisfactory manner. The whole expense for tuition, board, fuel, lights, etc., of students so assisted, need not, where strict economy is used, exceed \$200 per annum.

3. **RESIDENCE AND DISCIPLINE.**—Students are expected to reside in the main buildings, which are occupied by the President and Professors and their respective families. No student can reside elsewhere without special permission.

The discipline of the Institution is moral and parental. Disgraceful punishments are not inflicted; but no young man who indulges

in gaming, intemperance, or other vice, who is absent from his room at night, or who habitually neglects his studies, can be allowed to remain.

Parents or guardians are requested either to appoint a special guardian for their sons or wards, or to deposit all funds intended for their use with the Treasurer or Registrar of the College, who act as fiscal guardians without charge.

An account of the delinquencies of every student, and of his daily attendance, conduct and scholarship, is kept by the Registrar. The result, determining his place on the Merit Roll, is reported at the close of each term, or more frequently, to his parent or guardian.

Every student is required to return punctually at the opening of each term and report himself at the Registrar's office; and, until so reported, will be considered as absent, and so marked on his bill. A similar report, and for the same reason, is required after any temporary absence from sickness or by permission.

Parents will please inform the Registrar, by their sons, what church they wish them to attend.

4. GYMNAS TIC EXERCISES.—Mr. George A. White teaches and superintends Gymnastic Exercises, which have been introduced into the College after the system of Dr. Dio Lewis. The introduction of these exercises has been a matter of much interest and benefit to the students, and of good tendency in College regularity and discipline.

5. FRESHMAN SCHOLARSHIPS.—*Prize Scholarships* have been founded by President E. NOTT, to be awarded to candidates who shall severally pass such thorough examinations as shall entitle them to the distinction. The incumbents of these scholarships will receive at the end of each collegiate year, a Gold Medal or its value in cash, as they may elect, to wit: at the end of the Freshman year, fifteen dollars; twenty at the end of the Sophomore year; twenty-five at the end of the Junior year, and thirty at the end of the Senior year, provided that they shall comply with the rules prescribed by the founder of the scholarships; among which is the pledge on the part of each, that he will neither use intoxicating liquor as a beverage, nor tobacco in any of its forms, so long as he shall continue to receive the avails of the scholarship which has been awarded to him.

6. THE BLATCHFORD ORATORICAL MEDALS.—Hon. R. M. BLATCHFORD has founded an Oratorical Prize, consisting of two Gold Medals, of the value of the income of \$1,000, to be given to the two members of the graduating class who shall deliver the best Orations; “regard being had alike to their elevated and classical character, and to their graceful and effective delivery.” Accordingly, two medals will be awarded, one of the value of \$40, to the best written and spoken Oration, and one of the value of \$30 to the second best; to be determined by a committee appointed for that purpose; their award to be announced to the audience at the close of the exercises.

7. THE WARNER PRIZE.—Hon. H. G. WARNER of Rochester, has founded an Annual Prize, consisting of a piece of Silver Plate of the value of \$50, to be awarded to “The Graduate of Union College who shall reach the highest standing in the performance of collegiate duties, and also sustain the best character for moral rectitude and deportment, without regard to religious practice or profession.” The prize is to be awarded on Commencement day by the officers of the College, in accordance with certain conditions prescribed by the donor.

8. PRIZE ESSAYS AND PRIZE SPEAKING.—Prizes will be awarded to the two members of the Senior class who shall present the best Essays in English literature, on subjects assigned the previous term.

Prizes will also be awarded to the two members of the Junior and Sophomore classes respectively who shall deliver the best Orations on the occasion of Prize Speaking during commencement week. Six Juniors and four Sophomores will be selected for this exercise; regard being had both to composition and to delivery.

The Prizes for Essays and Orations will be in the form of valuable books and will be announced at Commencement.

9. COMMENCEMENT SPEAKERS.—Students are reminded that the relative position occupied by the names of members of the graduating class on their final merit roll, depends entirely on the standing taken by each respectively on his examination when entering the class, and on his subsequent relative diligence, punctuality, gentlemanlike demeanor and moral conduct.

CATALOGUE
OF
STUDENTS.

ABBREVIATIONS.

C Classical Students. *S* Scientific Students. *U* University Students.

x Candidates for Matriculation.

‡Candidates Matriculated, subject to conditions.

a Attendance not satisfactory. *c* Conduct not satisfactory.

n Absent during the Term, or from examination — to be hereafter examined.

— Deficient in one study at Examination.

* Dead.

† Left College.

N—North College.

S—South College.

N—Colon—North Colonnade.

S—Colon—South Colonnade.

SENIOR CLASS.

NAMES.	RESIDENCES.	ROOMS.
<i>S</i> GEORGE AINSLIE,	Delhi.	15 N.
<i>C</i> JAMES PRESTON ALBRIGHT,	Madison, N. J.	168 Union st.
<i>C</i> JOHN TUTTLE ANDREWS,	Reading.	18 S.
† <i>U</i> JAMES ASHBEL ALLIS,	Syracuse.	
<i>S</i> WALTER CASE ANTHONY,	Glenham.	43 S.
<i>C</i> GEORGE ARTHUR,	Springfield, Ohio.	33 Lafayette st.
<i>S</i> PLINY W. BARTHOLOMEW,	Hermon.	30 S.
† <i>C</i> GEORGE T. BRADSHAW,	Mariaville.	
† <i>S</i> JOHN STONE BRADLEY,	Lee, Mass.	
<i>S</i> THOMAS W. BURNHAM,	Cleveland, O.	48 N.
† <i>C</i> RICHARD JAMES BUSH,	San Francisco, Cal.	
<i>C</i> ELIAS FORD CARR,	Troy.	13 N.
<i>C</i> SAMUEL W. CLASON, JR.,	New Milford.	21 S.
* <i>C</i> JAMES DORR CLYDE,	Cherry Valley.	
† <i>S</i> SIDNEY T. CORNELL,	Jonesville.	
† <i>S</i> HENRY AUGUSTINE CRARY,	Knoxville.	
† <i>S</i> DÉSEVIGNÉ S. CRUMB,	Bloomfield, Mo.	30 Lafayette st.
<i>C</i> ELISHA CURTISS,	Sandy Creek.	30 S.
<i>C</i> ALEXANDER DAVIDSON,	Buffalo.	26 N.
<i>U</i> JAMES DAVIS, JR.,	Albany.	13 N.
<i>C</i> SAMUEL E. DIMMICK,	Bloomingsburgh.	164 Union st.
<i>C</i> WILLIAM FORREST DOIG,	Bovina.	7 N.
* <i>S</i> CHARLES G. A. DREYER,	Hoboken, N. J.	
<i>C</i> FRED. SHEPARD FENN,	Rochester.	151 Union st.
† <i>S</i> ANSON D. FESSENDEN,	Townsend, Mass.	
† <i>C</i> JAMES WATSON FISHER,	Newburgh.	
† <i>S</i> BENJAMIN DODS GIFFORD,	Provincetown, Mass.	
<i>S</i> DWIGHT FLOWER,	Fort Dodge, Iowa.	176 Union st.

NAMES.	RESIDENCES.	ROOMS.
† S SAMUEL H. GLEASON,	Barnet, Vt.	
S WALTER NORTH GOURLAY,	Philadelphia, Pa.	173 Union st.
† U MARTIN S. HALL,	Tribe's Hill.	
† C JARED HASBROUCK,	Kingston.	
† C ALBERT HEYWOOD,	San Francisco, Cal.	
S JOHN A. HENDERSON,	Andes.	7 N.
C BARTHOLOMEW HIGGINS,	Waterford.	23 S.
† C JACOB M. HOWARD, JR.,	Detroit, Mich.	
C SELAH HOWELL,	Blooming Grove.	
C ALEXANDER S. HOYT,	Galway Village.	6 S.
C SAMUEL F. HUNT,	Springdale, Ohio.	12 S.
C EDWARD ALLEN JUDSON,	Lansingburgh.	27 S.
† C ARCHIBALD KELLY,	Johnstown.	
C SAMUEL JACOB KOONTZ,	York Springs, Pa.	26 S.
C PHINEAS STRONG LAMB,	Fort Ann.	39 S.
C BENEDICT S. LEWIS,	Lodi, Wis.	College Hill.
† C CHARLES F. LEWIS,	Schenectady.	
* C JAMES O. LIEBENAU,	Lloyd.	
S CHARLES WALKER LIND,	Porto Rico, W. I.	174 Union st.
C CHARLES BAKER LOOMIS,	Buffalo.	
C ROBERT F. MACLAREN,	Fall River, Mass.	3 Barret st.
† S ARCHIBALD MCINTYRE,	Albany.	
C EDWARD P. MAGOUN,	Hudson.	189 Union st.
† C EDWARD J. MAXWELL,	Amsterdam.	
C WILLIAM H. MILLHAM,	Charlton.	
† C WILLIAM M. MURRAY,	Delhi.	
† C JOHN NELSON,	Poughkeepsie.	
U FREDERICK M. NEWMAN,	Albany.	45 N.
C CHARLES JOHNSON NOYES,	Haverhill, Mass.	
C EDWARD WINSLOW PAIGE,	Schenectady.	37 N.
S WM. APPLETON POTTER,	Philadelphia, Pa.	38 N.
C ISAIAH ANTHONY POTTS,	Whitehall, Ill.	41 S.
C ABRAM VAN N. POWELSON,	Pluckamin, N. J.	21 S.
† C SAMUEL F. PRENTISS,	Montpelier, Vt.	
C ROBERT D. RADCLIFFE,	Albany,	39 N.
C THOMAS ELDER RALSTON,	Indiana, Pa.	10 S.

NAMES.	RESIDENCES.	ROOMS.
<i>C</i> WILLIAM HENRY REID,	Johnstown.	151 Union st.
† <i>C</i> JAMES H. ROBINSON,	Fairville.	
† <i>C</i> WILLIAM H. SANBORN,	Plattsburgh.	
<i>S</i> WARREN SCHOONOVER,	Honesdale, Pa.	17 Jay.
<i>S</i> GEORGE SCRAMLING,	Oneonta.	47 S.
† <i>C</i> JAMES LAWRENCE SEWARD,	Cincinnati, Ohio.	
† <i>S</i> CHARLES MILTON SHELDON,	Amsterdam.	
<i>C</i> AUGUSTUS SHERMAN,	New Baltimore.	6 S.
† <i>S</i> WILLIAM LEONARD SMITH,	Newburgh.	
† <i>U</i> BRANDT GEORGE SMYTHE,	Newark, Ohio.	
† <i>U</i> JOHN MILTON STEARNS, JR.,	Brooklyn.	
† <i>S</i> THEODORE B. STEVENS,	Cleveland, Ohio.	
<i>C</i> GEORGE MIXTER STEWART,	Wells, Mass.	177 Union st.
<i>C</i> JOHN HENRY STEWART,	Changewater, N. J.	168 Union st.
† <i>C</i> WALTER M. STEWART,	Johnstown.	
<i>C</i> CHAS. D. F. STEINFUHRER,	Schenectady.	22 North st.
<i>C</i> DANIEL M. STIMSON,	Albany.	41 N.
<i>C</i> ALONZO P. A. STRONG,	Schenectady.	9 N.
† <i>C</i> JOHN TAVENNER,	Winchester, Va.	
<i>C</i> CHARLES OTIS THATCHER,	Troy.	171 Union st.
† <i>S</i> CHARLES H. TILLINGHASTE,	New York.	
<i>C</i> CHARLES TUBBS,	Osceola, Pa.	18 S.
† <i>C</i> MORRIS C. TUTHILL,	Blooming Grove.	
<i>C</i> CHAUNCEY E. VAN ALLEN,	West Perth.	3 Barrett st.
<i>C</i> DAVID VAN HORNE,	Glen.	41 S.
* <i>C</i> MARVIN WAIT,	Norwich, Ct.	
<i>C</i> SAMUEL S. WAKEMAN,	Ballston Spa.	6 N.
† <i>C</i> ZAREMBA WALDRON,	Ballston Centre.	
<i>C</i> HENRY WARD,	Guilderland Centre.	6 N.
<i>C</i> JACOB HERRIHEY WIETING,	Middletown, Pa.	25 S.
† <i>U</i> LEANDER WILLIS,	Alden.	
<i>C</i> HENRY CLINTON WISWALL,	Jacksonville, Ill.	
† <i>S</i> GEO. WASHINGTON WOOD,	Walden.	
<i>C</i> DAVID M. M. ZELLER,	Dayton, Ohio.	33 Lafayette st.

JUNIOR CLASS.

NAMES.	RESIDENCES.	ROOMS.
<i>nC</i> WILLIAM HENRY ALBRO,	Middleburgh.	
<i>C</i> ELMER ALVA ALLEN,	Toledo, Iowa.	116 Union st.
† <i>C</i> CHARLES HENRY BACON,	North Lansing.	
† <i>U</i> GEORGE DANIEL BACON,	" "	
• <i>C</i> HENRY BACON,	Sing Sing.	43 S.
<i>nC</i> EDWIN S. BALDRIDGE,	West Pawlet, Vt.	12 N.
† <i>C</i> CHARLES M. BALLENTINE,	Gloversville.	
<i>U</i> WILBER FISK BARKER,	Bellville.	17 S.
<i>C</i> FRANKLIN W. BARTLETT,	Towanda, Pa.	38 Barrett st.
<i>C</i> WILLIAM H. BEAL, JR.,	Schenectady.	
† <i>C</i> JAMES WOODRUFF BLAKE,	Waterford.	
<i>C</i> CLARK BROOKS,	Jonesville.	42 S.
† <i>C</i> GEO. FREDERICK BROWN,	Schenectady.	
<i>C</i> LEWIS BULLOCK,	Cincinnati, Ohio.	30 Lafayette st.
<i>C</i> WILLIAM A. BUSHNELL,	New York.	30 N.
† <i>C</i> ARTHUR E. CHADSEY,	Schenectady.	
<i>nS</i> AUGUSTUS BATES CLARK,	Wilton, Me.	18 N.
<i>C</i> HOWARD CORNELL,	Lima.	9 S.
<i>C</i> NATHAN G. DAGGETT,	Schenectady.	5 Front st.
† <i>C</i> THOMAS DAVIES,	Poughkeepsie.	
<i>C</i> EDMUND T. DAVIS,	Shiloh, N. J.	124 Liberty st.
<i>C</i> ISAAC DOX,	Wilson.	4 S.
<i>C</i> JOSEPH P. DYSART,	Bovina.	16 N.
<i>C</i> HENRY GRAHAM,	Wilna.	171 Union st.
<i>U</i> ROBERT JONES GREGG,	Peoria, Ill.	31 N.
<i>C</i> JOHN V. GRISWOLD,	Quincy, Ill.	82 Barrett st.
† <i>C</i> VITELLUS M. HARDY,	Wilton, Me.	
<i>C</i> FRANCIS JAMES HOAG,	Charleston 4 Corners.	48 S.

NAMES.	RESIDENCES.	ROOMS.
<i>U</i> ROBERT HODGE,	Carrollton, Ill.	
† <i>C</i> JOHN MILTON HUGHES,	Cleveland, Ohio.	
<i>C</i> MARCUS TULLIUS HUN,	Albany.	5 S.
<i>C</i> GEORGE WILLIAM KNAPP,	Buffalo.	26 N.
<i>C</i> JOHN C. KNOX,	Philadelphia, Pa.	164 Union st.
<i>S</i> LUCIUS D. LEFFINGWELL,	Cleveland, Ohio.	164 Union st.
<i>C</i> DEWITT C. LEFEVRE,	Northville.	43 N.
<i>C</i> DANIEL N. LOCKWOOD,	Buffalo.	10 S.
<i>C</i> CHARLES M. LOMBARD,	Elbridge.	179 Union st.
<i>S</i> EDWARD JOSEPH LOVETT,	Palmyra.	177 Union st.
<i>nS</i> WILLIAM BARR LYNN,	Springfield, Ill.	29 S.
<i>S</i> RICHARD S. LYON,	Cleveland, Ohio.	164 Union st.
† <i>S</i> HENRY BOYD MARTIN,	Albany.	33 N.
<i>C</i> THEODORUS MCLEOD,	New York.	168 Union st.
† <i>S</i> GEORGE DUFFIELD MEIGS,	Pottstown, Pa.	
<i>C</i> JAMES LEEDROM MEREDITH,	Marshalltown, Pa.	175 Union st.
† <i>U</i> WILLIAM HENRY MICKLE,	Princetown.	
<i>C</i> JAMES RICHARD MONKS,	Elmira.	46 S.
† <i>U</i> JOHN VAN C. NELLIS,	Fort Plain.	
<i>C</i> CHARLES FLAVIUS NOBLE,	Pittsfield, Mass.	15 S.
<i>S</i> DAVID R. PAIGE, JR.,	Painesville, Ohio.	12 N.
<i>C</i> JOHN KEYES PAIGE,	Schenectady.	49 Washington. av.
† <i>C</i> ROBERT PAYNE,	Fort Miller.	
<i>U</i> WILLIAM M. PERRINE,	Perrineville, N. J.	47 N.
† <i>C</i> CHARLES HENRY RIPLEY,	Centre Rutland, Vt.	
<i>C</i> DAVID CODWAY ROBINSON,	Elmira.	28 Greene st.
<i>C</i> LEWIS HENRY ROCKWELL,	Mariaville.	29 S.
<i>nC</i> LEVERETT G. ROMAIN,	Albany.	
<i>C</i> STEALY BATES ROSSETER,	Cohoes.	82 Barrett st.
† <i>C</i> EDWIN RUSSELL,	Saratoga Springs.	
<i>C</i> JOHN RUTHVEN SANSON,	Princetown.	56 Jay st.
<i>C</i> WARREN GROVER SAYRE,	Wabash, Ind.	10 N.
* <i>C</i> ERSKINE D. SCRIBNER,	Middleburgh.	
<i>S</i> LEWIS SHERMAN,	West Rupert, Vt.	56 Jay st.
† <i>U</i> GEORGE LUKE SMITH,	Milford, N. H.	
<i>C</i> FRELING H. SMITH,	Chatham. Four Corners.	32 S.

NAMES.	RESIDENCES.	ROOMS.
<i>C</i> MORTIMER SMITH,	Chatham.	32 S.
<i>C</i> JOHNSON IDE SNELL,	Port Jackson.	45 S.
<i>S</i> CADY STALEY,	Florida.	66 Jay st.
† <i>C</i> HENRY STODDARD,	New Haven, Conn.	
<i>U</i> GEORGE H. SUTTON,	Bedford.	46 S.
<i>C</i> JAMES BRAINARD TAYLOR,	Rupert, Vt.	12 N.
* <i>C</i> ABNER B. W. TENNEY,	West Concord, N. H.	
† <i>C</i> SMITH THOMPSON,	Poughkeepsie.	
† <i>C</i> VEDDER VAN DYCK,	Schenectady.	
† <i>C</i> HENRY CLAY VAN ZANDT,	Schenectady.	
<i>U</i> FRANCIS T. VAUGHAN,	Little Rock, Ark.	186 Union st.
<i>C</i> ALBERT HENRY VEEDER,	Fonda.	14 S.
<i>S</i> JOHN WALLACE,	Reading, Pa.	38 N.
† <i>C</i> JAMES B. WAYNE WANDS,	Olean.	
† <i>U</i> NATHAN PERKINS WELLS,	Johnstown.	
<i>C</i> EMERSON GEORGE WICKS,	Charlton.	24 S.
* <i>S</i> KENNETT WOODSON,	Carrollton, Ill.	

SOPHOMORE CLASS.

NAMES.	RESIDENCES.	ROOMS.
<i>C</i> GEORGE ALEXANDER,	West Carlton.	19 N.
<i>C</i> JOHN ALEXANDER,	“ “	19 N.
<i>C</i> GEO. HAMILTON ARNOTT,	Salem.	8 N.
<i>C</i> JOHN ELMER ASHÉ,	West Bloomfield.	23 N.
<i>U</i> ERSKINE S. BATES,	Holyoke, Mass.	38 Barrett st
<i>C</i> MATTHEW BENDER,	Albany.	10 N.
<i>C</i> JOSEPH M. BENEDICT,	Utica.	24 N.
<i>C</i> FRED. BLAKE,	Waterford.	38 S.
<i>C</i> HENRY D. BRANDRETH,	Sing Sing.	26 S.
<i>C</i> EDWIN L. BRENTON,	Wabash, Ind.	29 N.
<i>C</i> JOHN MILTON BROWN,	Auburn.	28 S.
† <i>C</i> OMAR BROWN,	Zanesfield, Ohio.	
<i>n C</i> ROMEYN BUNN,	Amsterdam.	38 S.
<i>n C</i> MONROE M. CADY,	Great Barrington, Mass.	45 S.
<i>U</i> WILLIAM H. CASE,	Coxsackie,	
<i>C</i> JOHN EVARTS CLANCY,	Schenectady.	92 Liberty st.
† <i>C</i> JESSE BURNS CLEMENT,	West Hebron.	
<i>S</i> NORMAN FOX COMSTOCK,	Ballston.	30 S.
<i>C</i> ALFRED COONS,	Clermont.	7 S.
<i>C</i> ERASTUS COONS,	“	7 S.
<i>S</i> HENRY CLAY COPELAND,	Middletown, Vt.	14 N.
<i>C</i> GEORGE HENRY CRUMB,	Bloomfield, Mo.	2 S. Colonnade.
<i>C</i> AUGUSTUS E. CURTISS,	Ballston Centre.	123 State st.
<i>C</i> JOHN JAMES DEAN,	Bovina.	15 N.
<i>n C</i> OWEN CLINTON DEWITT,	Rushville.	24 S.
<i>U</i> FISKE EASTMAN,	Ellisburgh.	17 S.
<i>U</i> HIRAM BRADFORD FARMER,	Moirá.	20 S.
<i>C</i> ROBERT PROUDFIT GIBSON,	South Kortright.	16 N.
<i>S</i> EDWARD E. GIDDINGS,	Pierrepont Manor.	170 Union st.
<i>C</i> JOHN A. GREEN,	Quincy, Ill.	16 S.
<i>C</i> WILLIAM F. HARRISON,	Troy.	12 S.
<i>C</i> ROBERT HATHAWAY,	Cannonsville.	N. Colonnade.
<i>C</i> AUGUSTUS V. HILL,	Salem.	8 N.

NAMES.	RESIDENCES.	ROOMS.
C OTIS HINKLEY,	Posey Co., Ind.	24 Jay st.
S LYMAN GIDDINGS HOLLEY,	Pierrepont Manor.	170 Union st.
C GILBERT T. HOLCOMBE,	Newark.	11 S.
C LEONARD G. HUN,	Albany.	5 S.
U HARRY LEA,	Alton, Ill.	182 Union st.
C HENRY C. LITTLEFIELD,	Albany.	5 N.
C WILLIAM LOUCKS,	New Scotland.	178 Union st.
C JAMES CAMPBELL MILLER,	West Galway.	42 S.
C WILLIAM CHARLES MOORE,	Hanover, Ill.	14 Park Place.
n S GEORGE H. MOULTON,	West Union, Iowa.	3 Romeyn st.
U LEVERETTE W. NEWCOMBE,	Wilbraham, Mass.	
-C JOSEPH KISSICK PEARSON,	New Castle, Pa.	18 Barrett st.
C JOHN MAGOUN PEARSON,	Schenectady.	189 Union st.
S FREDERICK MILTON PETIT,	Moir.	17 S.
C GOVE PORTER,	Detroit, Mich.	27 N.
† S WILL POSEY,	Henderson, Ky.	132 Centre st.
n C DANIEL JAMES QUINN,	Troy.	12 S.
C WILLIAM H. T. REYNOLDS,	Albany.	25 N.
C LA MOTT W. RHODES,	Clayville.	28 N.
U ROBERT WING ROGERS,	Shelburn, Vt.	24 Liberty st.
C THOMAS ROGERS,	Morrisania.	44 N.
C THOMAS JAMES SANSON,	Duanesburgh.	15 Ferry st.
C GEORGE J. SCHERMERHORN,	Homer.	22 N.
n S LYMAN LOUIS SETTLE,	Newark Valley.	
C DANIEL SEYMOUR,	Mechanicsville.	23 N.
C DANIEL LEWIS SMITH,	"	5 N.
S WILLIAM C. STEVENS,	Poughkeepsie.	9 N.
C DANIEL MERRICK SWAN,	Bellville.	17 S.
C HARVEY D. TALCOTT,	Oswego.	37 N.
n S GIDEON DAVID TOWER,	South Hampton, Mass.	32 N.
C GRENVILLE A. TREMAIN,	Albany.	41 N.
n C WILLIAM VANDENBURGH,	Glenville.	14 Park Place.
C ARCHIBALD L. VAN NESS,	Dansville.	11 S.
S EDWARD W. VAN VRANKEN,	Schenectady.	6 Lafayette st.
† U CHARLES AMOS WELCH,	Waynesville, Ohio.	
C EDWARD WEMPLE,	Fultonville.	43 N.
x S E. JANSEN WESTFALL,	Dekertown, N. J.	23 S.
C STEPHEN S. WETMORE,	Kinderhook.	25 N.
C ALMERON WHEAT, JR.,	Quincy, Ill.	16 S.

FRESHMAN CLASS.

NAMES.	RESIDENCES.	ROOMS.
-C JAMES M. ANDREWS, Jr.	Saratoga Springs.	44 N.
x C JAMES H. AUSTIN,	Paris, Ill.	28 S.
† C CHARLES BELKNAP,	New York.	
‡ C SEYMOUR BIRCH,	Amsterdam.	2 S.
n C GEORGE HENRY CATLIN,	Shorcham, Vt.	187 Union st.
n C SAMUEL K. DOOLITTLE,	Pond Eddy.	
x C ROBERT ENNIS,	Princetown.	
C J.D.FEATHERSTONHAUGH, Jr.,	Duanesburgh.	39 N.
† U DANIEL FINN,	Florida.	
C ROBERT BRONK FISH,	Fultonville.	14 S.
C JAMES JOHNSTON,	Terre Haute, Ind.	177 Union st.
x C CHARLES W. LEGATE,	Carthage.	24 S.
† U TAYLER LEWIS, Jr.,	Schenectady.	College Hill.
U WILLIAM S. IDE,	Columbus, Ohio.	174 Union st.
C CLAY McKEEN,	Terre Haute, Ind.	177 Union st.
C ORLANDO D. S. MARKLEY,	Seward.	107 Union st.
x C NORRIS W. MUNDY,	Watertown.	39 N.
C WILLIAM HENRY MURRAY,	Poundridge.	44 S.
x C ALFONSO R. OLNEY,	Speedsville.	94 Liberty st.
‡ C MILTON GODFREY PLANCK,	Sharon Springs.	273 State st.
x C EDWARD D. RONAN,	Albany.	
C WALTER SCOTT,	Sing Sing.	44 S.
† C FREDERICK W. SEWARD,	Florida.	186 Union st.
x C ALEXANDER M. SMEALLIE,	Princetown.	
C HORACE B. STANTON,	Schenectady.	
‡ C JEROME L. STERNBERG,	Gardnersville.	
C JOSEPH VAIL,	Pleasant Valley.	Phil. Hall.

STUDENTS OF CIVIL ENGINEERING.

SECOND YEAR STUDENTS.

NAMES.	RESIDENCES.	ROOMS.
<i>S</i> DÉSEVIGNÉ S. CRUMB,	Schenectady.	30 Lafayette st.
CHARLES EDMUND DANA,	Philadelphia, Pa.	183 Union st.
<i>S</i> WALTER NORTH GOURLAY,	Philadelphia, Pa.	173 Union st
WILLIAM JOHN KEEP,	Oberlin, Ohio.	3 S. Colon
<i>S</i> HENRY BOYD MARTIN,	Albany.	33 N.
FRANK PELTON,	Lowville.	14 N.
<i>S</i> CADY STALEY,	Florida.	66 Jay st.
CORNELIUS C. VAN INWEGEN,	Port Jervis,	30 N.
<i>S</i> JOHN WALLACE,	Reading, Pa.	38 N.

FIRST YEAR STUDENTS.

NAMES.	RESIDENCES.	ROOMS.
<i>C</i> JOHN MILTON BROWN,	Auburn.	28 S
WILLIAM HENRY CASE,	New Baltimore.	Troy Turnpike.
<i>S</i> NORMAN FOX COMSTOCK,	Ballston.	108 Liberty st.
<i>S</i> EDWARD EVERETT GIDDINGS,	Pierrepont Manor.	170 Union st.
<i>S</i> LYMAN GIDDINGS HOLLEY,	" " " "	" " " "
CHAS. WILLIAMSON JOHNSON,	Johnstown.	5 S. Colon.
GEO. HAMMEKEN KEARNEY,	Saugerties.	10 N.
ALONZO WINSLOW PAIGE,	Schenectady.	49 Washington Av.
GILBERT WELLS PHELPS,	Enfield, Conn.	186 Union st.
ROBERT WING ROGERS,	Shelburne, Vt.	24 Liberty st.
JOSEPH MOORE VANHEKLE,	Delaware City, Del.	47 S.

STUDENTS

OF

ANALYTICAL CHEMISTRY.

[DURING THE LAST THREE TERMS.]

NAMES.	RESIDENCES.	ROOMS.
GEORGE AINSLIE,	Delhi.	15 N.
HENRY BACON,	Sing Sing.	43 S.
MILTON BRAYTON,	Westernville.	42 N.
GEORGE HENRY CATLIN,	Shoreham, Vt.	187 Union st.
ALBERT H. CHESTER,	Buffalo.	
SAMUEL W. CLASON, JR.,	New Milford.	21 S.
ROBERT JONES GREGG,	Peoria, Ill.	
HECTOR C. HAVEMEYER,	New York.	
LEONARD G. HUN,	Albany.	5 S.
EDWARD P. MAGOUN,	Hudson.	189 Union st.
JOHN M. PEARSON,	Schenectady.	189 Union st.
WM. APPLETON POTTER,	Philadelphia, Pa.	38 N.
A. VAN NEST POWELSON,	Pluckamin, N. J.	21 S.
ROBERT D. RADCLIFFE,	Albany.	39 N.
WARREN SCHOONOVER,	Honesdale, Pa.	17 Jay st.
FREDERICK W. SEWARD,	Florida.	
ISAAC H. SMITH,	Schenectady.	60 State st.
WILLIAM C. STEVENS,	Poughkeepsie.	9 N.
JOHN M. VEDDER,	Schenectady.	
STEPHEN S. WETMORE,	Kinderhook.	25 N.
DAVID M. M. ZELLER,	Dayton, Ohio.	31 S.

SUMMARY.

SENIORS,.....	98
JUNIORS,.....	81
SOPHOMORES,	73
FRESHMEN,.....	25
CIVIL ENGINEERING STUDENTS,	20
CHEMICAL STUDENTS,.....	21
	318
REGISTERED IN TWO COURSES,.....	24
TOTAL,.....	294

PRIZE SCHOLARSHIPS.

The incumbents of the Nott Prize Scholarships for the present year are as follows:

CLASS OF 1864.

ALONZO P. A. STRONG.	Prepared at UNION SCHOOL, Schenectady.
EDWARD WINSLOW PAIGE.	Prepared at UNION SCHOOL, Schenectady.

CLASS OF 1865.

CLARK BROOKS.	Prepared at UNION SCHOOL, Schenectady.
DAVID C. ROBINSON.	Prepared at UNION SCHOOL, Schenectady.

OFFICERS

OF THE

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 REV. LAURENS P. HICKOK, D. D.,
 HON. RICHARD M. BLATCHFORD,
 A. P. CUMMINGS, Esq.,
 ISAAC W. JACKSON, LL. D., *Corresponding Secretary.*
 JOHN FOSTER, A. M., *Recording Secretary.*
 HON. HORATIO G. WARNER, *Treasurer.*
 JOHN A. DEREMER, A. M., *Librarian.*

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HON. HORATIO G. WARNER, WILLIAM TRACY, LL. D., HON. ALEX. W. BRADFORD, LL. D.	HON. JOHN A. LOTT, LL. D., HOWARD POTTER, Esq., HON. RICHARD M. BLATCHFORD.
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CALENDAR

OF

THE LAST COLLEGIATE YEAR, 1862-3.

At the Commencement, July 24, 1863, the regular prizes were awarded as follows:

NOTT SCHOLARSHIP PRIZES.

DAVID C. ROBINSON,
CLARK BROOKS.

BLATCHFORD ORATORICAL MEDALS.

First Medal—CHARLES G. CLARK,.....Troy, N. Y.

Second “ JAMES G. JOHNSON,.....Washington, D. C.

WARNER PRIZE.

DANIEL T. ARBUCKLE,.....Delhi.

The following degrees were conferred:

BACHELORS OF ARTS—*Classical*.

NAMES.	RESIDENCES.
DANIEL T. ARBUCKLE,	Delhi.
A. WATSON ATWOOD,	Philadelphia, Pa.
SETH C. BEACH,	Marion.
HENRY N. BECKWITH,	Sutton, Vt.
GEORGE A. BEATTIE,	Hebron.
L. HENRY BELLINGER,	Root.
DAVID BLAKELEY,	Meredith.
MORTON E. BRASEE,	Lancaster, Ohio.

NAMES.	RESIDENCES.
JOHN C. BUSHNELL,	New York.
CHARLES G. CLARK,	Troy.
ALEXANDER T. CROMPTON,	Newark, N. J.
HERMON CONANT,	Nashua, N. H.
GEORGE W. DENTON,	North Hempstead.
ROBERT DONALD,	Mount Vernon, Wis.
JOHN J. DOWNING,	Troy.
JACOB W. DUBOIS,	Rosendale.
CHARLES L. EASTON,	Lowville.
WILLIAM H. FIELD,	New York.
RICHARD A. HARKNESS,	Kortright.
CHARLES M. A. HEWES,	Lawrence, Mass.
ISAAC W. HEYSINGER,	Fayetteville, Pa.
HARRISON T. HICKOK,	Mechanicsville.
ERI B. HULBERT,	Hamilton.
JAMES G. JOHNSON,	Washington, D. C.
ANDREW KIRKPATRICK,	New Brunswick, N. J.
BENJAMIN B. LOOMIS,	Richfield Springs.
JAMES T. McMILLAN,	Jacksonville, Ill.
BRADLEY MARTIN,	Albany.
SAMUEL C. L. MOTT,	Sing Sing.
THOMAS S. MURDOCK,	Kortright.
STEPHEN PALMER,	Hoosick Falls.
AMASA J. PARKER, JR.,	Albany.
FRANCIS T. PATTON,	Brunswick.
HIRAM E. PHELPS,	Crown Point.
MERRITT A. POTTER,	West Troy.
JAMES F. POTTS,	Whitehall, Ill.
DANIEL C. REEVE,	Middletown.
ISAAC E. ROBERTS,	Lancaster, Pa.
JOHN B. ROBINSON,	Malden, Mass.
CHASE ROYS,	Schenectady.
ELIHU T. SANFORD,	Schenectady.
GEORGE B. SAWTELLE,	Sidney, Me.
WILLIAM H. SMITH,	Farmington, Conn.
HORATIO N. SNOW,	Spraker's Basin.

NAMES.	RESIDENCES.
EDWARD C. TAINTOR,	Buffalo.
EDWARD P. TAYLOR,	Alton, Ill.
FRANK THOMPSON,	Ballston Spa.
DAVID N. VANDERVEER,	Schenectady.
HOMER S. WATERBURY,	Schoharie.
JOHN WRIGHT, JR.,	Wilmington, Del.
JAMES YATES,	Chicago, Ill.

BACHELORS OF ARTS—*Scientific.*

CHARLES S. AUSTIN,	Peoria, Ill.
THADDEUS R. AUSTIN,	" "
HOMER E. AYLESWORTH,	Burlington Green.
BRADFORD BARNER,	Damascus, Pa.
SANFORD C. CONDE,	West Troy.
THOMAS H. FEAREY,	Albany.
CHARLES E. PEARCE,	Schenectady.
VINCENT M. PORTER,	Niagara Falls.
GEORGE F. SAWYER,	West Kendall.
JOHN H. SERVISS,	Glen.
GARRIT D. VAN VRANKEN,	Clifton Park.

GRADUATES IN CIVIL ENGINEERING.

EZRA T. CLARK,	Bedford.
CHARLES K. WARNER,	New York.

MASTERS OF ARTS—*In Course.*

REV. IRA J. BIDWELL,	Lansingburgh.
JOHN P. BIRCH,	Philadelphia, Pa.
RICHARD W. BLACK,	U. S. A., Carlisle, Pa.
JOHN CANTINE,	New York.
REV. JOHN M. W. FARNHAM,	Shanghai, China.
WESTON FLINT,	U. S. A., St. Louis, Mo.
GEORGE T. LAPE,	New York.
WILLIAM C. MACY,	Union College.
REV. WILLIAM H. POOR,	Poultney, Vt.
1st LIEUT. B. F. SCEVA,	U. S. A., Harper's Ferry, Va.

NAMES.	RESIDENCES.
CAPT. LYSANDER W. TULLEYS,	U. S. A.
RICHARD C. STEELE,	Auburn.
1st LIEUT. E. B. VAN WINKLE,	U. S. A.
ALBERT WALDRON,	Hartwick.
LON WESTON,	Mystic Bridge.
ALBERT WHITFORD,	Milton, Wis.

A. M.—*Honorary.*

REV. HENRY C. POTTER,	Troy.
J. WESLEY EDDY,	Buttermilk Falls.

D. D.

REV. THOMAS RICHEY,	Warden of St. Stephen's College, Annandale.
REV. WILLIAM BANNARD,	Kingsboro'.
REV. JOSEPH E. KING,	Fort Edward Institute.

LL. D.

HON. JOSEPH MULLIN,	Watertown.
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TIME OF RINGING THE BELL.

FIRST TERM.	A. M.				P. M.				SECOND TERM.
	First Bell.	Prayer and Recitat. Bell.	Study Bell.	Recitation Bell.	Study Bell.	Recitation Bell.	Closing Bell.	Study Bell.	
COMMENCING FIRST MONDAY.									COMMENCING FIRST MONDAY.
First Week, . .	6 25	7 35	9 00	11 00	2 00	4 00	5 00	7 00	Thirteenth Week.
Second Week, .	6 25	7 35	9 00	11 00	1 55	3 55	4 55	7 00	Twelfth Week.
Third Week, . .	6 30	7 40	9 00	11 00	1 50	3 50	4 50	7 00	Eleventh Week.
Fourth Week, .	6 30	7 40	9 00	11 00	1 45	3 45	4 45	7 00	Tenth Week.
Fifth Week, . .	6 35	7 45	9 00	11 00	1 40	3 40	4 40	7 00	Ninth Week.
Sixth Week, .	6 35	7 45	9 00	11 00	1 35	3 35	4 35	7 00	Eighth Week.
Seventh Week, .	6 40	7 50	9 00	11 00	1 30	3 30	4 30	7 00	Seventh Week.
Eighth Week, .	6 40	7 50	9 00	11 00	1 25	3 25	4 25	7 00	Sixth Week.
Ninth Week, . .	6 45	7 55	9 00	11 00	1 20	3 20	4 20	7 00	Fifth Week.
Tenth Week, .	6 45	7 55	9 00	11 00	1 15	3 15	4 15	7 00	Fourth Week.
Eleventh Week, .	6 50	8 00	9 00	11 00	1 10	3 10	4 10	7 00	Third Week.
Twelfth Week, .	6 50	8 00	9 00	11 00	1 05	3 05	4 05	7 00	Second Week.
Thirteenth Week,	6 50	8 00	9 00	11 00	1 00	3 00	4 00	7 00	First Week.
Third Term, . .	6 20	7 30	9 00	11 00	2 00	4 00	5 00	Early Candle Light.	THIRD TERM.

General Catalogue and Obituary Record.

A new edition of the General Catalogue of Graduates of the College is in course of preparation.

An Obituary List is prepared annually for the Alumni Association, containing short notices of deceased graduates.

Persons who can supply any information for these notices or the catalogue are requested to send the same to the Librarian.